



REPORT OF THE  
**Hydro-Electric Power**  
**Commission**  
OF ONTARIO  
**1940**

WILLS MACLACHLAN

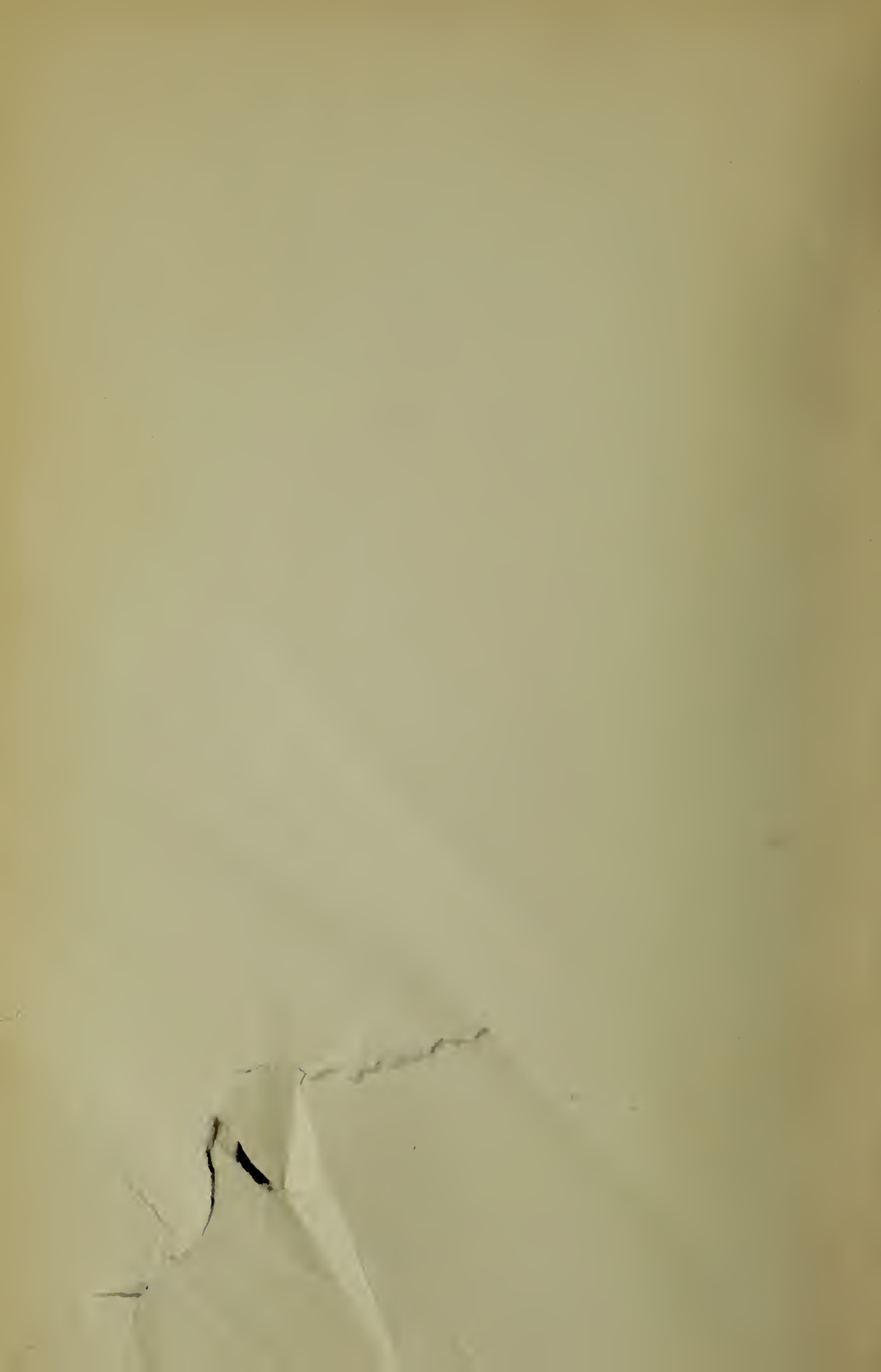
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*Commission*  
(THIRTY-THIRD) ANNUAL REPORT

OF

# THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

FOR THE YEAR ENDED OCTOBER 31st

1940



ONTARIO

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO

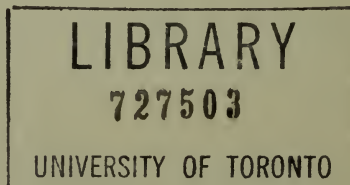
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1941

THE HYDRO-ELECTRIC POWER COMMISSION  
OF ONTARIO

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T. H. HOGG, B.A.Sc., C.E. D.ENG . . . . . *Chairman and Chief Engineer*  
HON. WM. L. HOUCK. B.Sc., M.L.A. . . . . *Vice-Chairman*  
J. ALBERT SMITH, M.L.A. . . . . *Commissioner*  
OSBORNE MITCHELL . . . . . *Secretary*





## CHAIRMAN'S LETTER OF TRANSMITTAL

*To His Honour*

THE HONOURABLE ALBERT MATTHEWS, LL.D.,

*Lieutenant-Governor of Ontario*

MAY IT PLEASE YOUR HONOUR:

The undersigned respectfully presents the Thirty-Third Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1940.

The record of the Commission's work presented in this Annual Report relates to three principal fields—the co-operative municipal field, the field of rural supply, and the northern Ontario field. The first two cover the Commission's activities on behalf of the co-operative systems, and the last relates to its trusteeship of the Northern Ontario Properties on behalf of the Province. Throughout the various sections of the Report dealing broadly with physical operation of the plants, constructional activities and financial statements, these fields of activity are clearly differentiated.

The Report also presents for the calendar year 1940 financial statements and statistical data relating to the municipal electric utilities operating in conjunction with the several co-operative systems for the supply of electrical service throughout the Province.

### War Activities

The past year's work of The Hydro-Electric Power Commission of Ontario has been dominated by the necessity for co-ordinating its activities to the war effort of Ontario and of the Dominion. In all departments, first place has been given to the task of ensuring that for the war industries of Ontario there should be ample supplies of power available wherever and whenever needed.

The beginning of the fiscal year in November 1939 found the Commission in a favourable position with respect to power supplies and the promise then made that Hydro could, during 1940, meet a greatly increased demand for power for industries manufacturing munitions and war supplies has been satisfactorily kept without undue difficulty.

The changing war situation resulting from the collapse of France made it necessary to accelerate greatly the pace of Canada's war effort and this

stimulated demands for power. When additional supplies of power are to be provided from water-power developments, plans must be made well in advance. Continuous attention has, therefore, been paid by the Commission to the problem of ensuring that the power resources of Ontario shall continue to be ample to service all war demands. During the past year the Commission advanced the date of taking 20,000 horsepower from the MacLaren-Quebec Power Company from November 1st to July. Other possibilities of increasing its power supplies are being examined.

In providing supplies of power under war conditions, the Commission must plan for the energy requirements as well as the peak demand of the primary load. In other words, not only must the generating capacity of the system be ample to meet the total demand at peak loads, but the water flow at the power developments must be sufficient to keep the generators working at the required capacity for a greater proportion of the day or week. Higher energy requirements make a greater demand upon stored water.

#### **Ogoki River and Long Lake Diversions**

One of the more important actions taken during the past year for increasing Ontario's power supplies was the arrangement made with the United States whereby Canada is enabled to utilize immediately for the increase of power output at Niagara for war purposes an additional flow of water equivalent to that which will be added to the Great Lakes as a result of diverting water from portions of the Albany river watershed adjacent to the height-of-land north of lake Superior.

The Long Lake project was completed in 1938 and was used during 1940 for the transportation of pulp wood. Since the arrangement was reached with the United States the completed works have been used to divert some 1,100 cubic feet of water per second to the Great Lakes. Towards the end of the year work was started on the Ogoki diversion which, when completed in about two years' time, will divert an additional 4,000 cubic feet of water per second through the Nipigon lake and river to the Great Lakes. The ability to put to use an additional water flow of 5,000 cubic feet per second through the power plants on the Niagara river as a result of the friendly co-operation extended by the United States to the Dominion of Canada is of special and immediate value, both with respect to peak demands and energy requirements.

#### **St. Lawrence River Project**

Although the diversions into the Great Lakes from northern Ontario have been dealt with on the basis of a friendly understanding with the United States, they have, of course a bearing upon the much larger considerations relating to the improvement of the St. Lawrence river for navigation and for power. This subject is again prominently before the people of Eastern Canada and in connection with future power resources of Ontario is of basic importance. The St. Lawrence river improvement is undoubtedly an enterprise that will profoundly influence the growth and progress, not only of Ontario and Quebec, but of the whole of Canada. As a project it is now linked up with the steps being taken jointly by the United States and Canada for the defence of the Americas. It is evident that changing world conditions

must profoundly modify many of the views previously held respecting this great undertaking. During the past year certain investigations and studies relating to power development on the international section of the river were carried on by the Commission. United States authorities also were actively investigating this project and several joint meetings of the technical advisers of each country were held during the year.

### Operating Conditions

No special operating difficulties were experienced during the year. Service interruptions were few and no major failure of equipment occurred. Precipitation on most of the watersheds supplying the Commission's generating stations was sub-normal early in the year but the spring run-off filled the storage reservoirs and water conditions at the close of the year were satisfactory.

Interruptions to service due to lightning, sleet and gales were relatively few and little damage was done to lines or equipment. There was only one complete interruption during the year on the 220,000-volt lines supplying power to the Niagara system from eastern sources.

To an increasing degree generating plants and transmission and distribution net-works operated by the Commission on behalf of the various co-operative systems and Northern Ontario Properties tend year by year to become linked together, in so far as the physical properties are concerned. Thus, the Niagara system is linked to the Georgian Bay system by frequency-changers at Mount Forest and Hanover. It is also linked to the Eastern Ontario system by a frequency-changer at Chats Falls. These frequency-changers and their associated tie transmission lines are of sufficient capacity to permit interchange of substantial blocks of power from one system to another, so that diversity in the time of peak load, fluctuating energy requirements, or variations in power supplies available from different power plants, may all be co-ordinated to smooth out the demand curve to the advantage of the inter-connected systems.

Not only are the Commission's own plants inter-connected but connections are also available to certain municipal and privately owned local systems. At times during the past year the Commission was able through these connections to render valuable assistance to the local systems of the Orillia Water, Light and Power Commission, the Rideau Power Company, the corporation of Fenelon Falls, the Campbellford Water and Light Commission, and the municipality of Renfrew, when the output of their own generating facilities was restricted by conditions beyond their control.

The pooling of power resources by the co-operative systems of southern Ontario contributes to the advantage of all three systems, as it reduces the amount of reserve plant required. Instead of three different reserves of plant capacity being maintained, all reserve plant becomes available to any system. In northern Ontario also, inter-connection by means of long tie lines has been beneficial between certain districts. For example, the inter-connection between the generating stations serving the Patricia-St. Joseph district previously made, was of special benefit in 1940 as it enabled the Commission to



## DISTRIBUTION OF PRIMARY POWER TO SYSTEMS

## 20-MINUTE PEAK HORSEPOWER—SYSTEM COINCIDENT PRIMARY PEAKS

System	1939	1940
	October	
Niagara System—25-cycle.....	1,171,582	1,237,802
Dominion Power & Transmission division—66 2/3 cycle.....	56,970	50,134
Georgian Bay system.....	34,756	42,217
Eastern Ontario system.....	141,908	154,207
Thunder Bay system.....	96,160	97,855
Manitoulin rural power district.....	273	330
Northern Ontario Properties:		
Nipissing district.....	5,188	5,121
Sudbury district.....	19,740	17,208
Abitibi district.....	130,968	164,879
Patricia-St. Joseph district.....	11,792	14,209
Total.....	1,669,337	1,783,962
	December	
Niagara system—25-cycle.....	1,253,754	1,317,158
Dominion Power & Transmission division—66 2/3 cycle.....	59,249	50,670
Georgian Bay system.....	37,642	47,118
Eastern Ontario system.....	145,542	153,164
Thunder Bay system.....	85,328	91,488
Manitoulin rural power district.....	306	386
Northern Ontario Properties:		
Nipissing district.....	5,232	5,147
Sudbury district.....	20,275	19,249
Abitibi district.....	145,703	165,281
Patricia-St. Joseph district.....	12,440	14,826
Total.....	1,765,471	1,864,487

transfer to the Ear Falls generating station part of the load carried on the Rat Rapids generating station. This was done for the purpose of raising the level of the English river below Ear Falls to improve navigation and also to limit the draw-down of the elevation of lake St. Joseph.

#### Load Conditions

Increased deliveries of power for war industries, and increased use of power for commercial, domestic and rural service, all stimulated by the increased industrial demand, featured the operations of the Commission during 1940. For the war industries additional power in large amounts was required and supplied. As was forecast last year, all these extra demands were satisfactorily met and attention was directed to the various means of ensuring ample supplies of power for the future.

## DISTRIBUTION OF POWER TO SYSTEMS—PRIMARY AND SECONDARY

## 20-MINUTE PEAK HORSEPOWER—SYSTEM COINCIDENT PRIMARY PEAKS

System	1939	1940
	October	
Niagara system—25-cycle.....	1,358,177	1,375,335
Dominion Power & Transmission division—66 2/3 cycle.....	56,970	50,134
Georgian Bay system.....	34,756	42,217
Eastern Ontario system.....	168,958	154,207
Thunder Bay system.....	118,740	97,855
Manitoulin rural power district.....	273	330
Northern Ontario Properties:		
Nipissing district.....	5,188	5,121
Sudbury district.....	19,740	17,208
Abitibi district.....	188,877	197,453
Patricia-St. Joseph district.....	11,792	14,209
Total.....	1,963,471	1,954,069
	December	
Niagara system—25-cycle.....	1,448,928	1,528,418
Dominion Power & Transmission division—66 2/3 cycle.....	59,249	50,670
Georgian Bay system.....	38,145	47,118
Eastern Ontario system.....	155,214	153,164
Thunder Bay system.....	122,413	92,641
Manitoulin rural power district.....	306	386
Northern Ontario Properties:		
Nipissing district.....	5,232	5,147
Sudbury district.....	20,275	19,249
Abitibi district.....	197,982	208,981
Patricia-St. Joseph district.....	12,440	14,826
Total.....	2,060,184	2,120,600

Up to September 1940 the increase of the total primary peak load for all systems, was about 14 per cent, or little more than 200,000 horsepower. During October, November and December the monthly increases for total primary load ranged between 6 and 7 per cent, increases of 100,000 to 120,000 horsepower over corresponding months in 1939. This lower apparent rate of increase was due in part to the continuation of daylight-saving time in many municipalities of the Niagara system, and also in part to the fact that in the corresponding months of 1939 a rapid growth in load had taken place.

It is not possible to evaluate with exactness the effect of the extension of daylight-saving time. However, taking into consideration the various factors involved, it is estimated that the reduction in peak load attributable to this cause was, during the closing months of 1940, from 65,000 to 85,000 horsepower. Making the appropriate adjustment for this factor the average

of the monthly primary peak loads during 1940 was nearly 24 per cent higher than in 1938, an average gain of about 12 per cent per year for the two years.

The total output of energy in all systems for primary purposes in the fiscal year was 7,838,000,000 kilowatt-hours, being 19 per cent greater than the corresponding output of energy in the previous year and by far the largest output of primary energy delivered by the Commission in any one year. The higher increase in energy consumption, as compared with the increase in peak demand, reflects longer hours of use in war-time production.

In addition to meeting all primary demands the Commission utilized its reserve capacity to produce an additional 1,850,000,000 kilowatt-hours for secondary power purposes during the year. Much of this was employed in war materials production.

#### **Increased Mining Load**

Again, as for several years past, a remarkable growth in load took place in the northern Ontario mining fields. The average of the monthly peaks of the total primary load of all districts was about 20 per cent higher than in the previous year. In December 1940, the combined monthly primary peak of the Northern Ontario Properties reached about 205,000 horsepower.

The accompanying tabulation gives for the months of October and December, 1939 and 1940, the primary peak loads of the co-operative systems and of the several districts of the Northern Ontario Properties. It also gives similar data for the total primary and secondary loads.

#### **Additions to Generating, Transmission and Distributing Equipment**

The multiplicity of demands for increased supplies of electricity throughout the Province as a result of war activities, and the increased demand for power for commercial, domestic and general industrial use, makes necessary not only the provision of additional power supplies but also the construction of transmission lines and transformer stations for the wholesale delivery of the power, and a great increase in distribution facilities throughout the Province.

This heavy demand for additional electrical service during the past year has necessitated an amount of engineering and administrative work that is unprecedented in the Commission's history. The aim of the Commission has been not merely to supply a demand that has materialized but to anticipate where possible demands for Hydro service for war purposes.

The extension to the Ear Falls development in northern Ontario referred to in last year's report was completed in June 1940. The unit added, first placed in service in January, has a rated capacity of 7,500 horsepower under a head of 36 feet. The total installed capacity in this development is now 17,500 horsepower.

To serve the growing demands of the Georgian Bay system, work was commenced on the Big Eddy development on the Musquash river. This is



situated about nine miles below Bala and four miles below the Ragged Rapids generating station which was brought into service in 1938. It will have a turbine capacity of 10,000 horsepower under a head of 36 feet and will contain two units. It is expected to come into operation in November 1941.

In the Eastern Ontario system, plans were made for a development at Barrett Chute on the Madawaska river. This development is situated about five miles above Calabogie village. It will contain two units with a total rated capacity of 56,000 horsepower under a head of 154 feet. To improve the run-off on this river the Commission is constructing a storage dam at the outlet of Bark lake about 67 miles up-stream from Barrett Chute. Both the development and the storage works are expected to be available for service in 1942.

Before the war the Commission planned and in part carried out a general strengthening of its transmission lines and distribution networks. Since the war started further improvements have been made in many areas. In July 1940 a new 110,000-volt single-circuit line on steel towers between St. Thomas and Windsor was placed in service. This line, which has a capacity equal to the other two existing lines on double-circuit towers, has greatly improved operating conditions for the western section of the Niagara system.

In the eastern section of the Province substantial progress was made on the construction of a new 220,000-volt line which, when completed, will extend from the eastern boundary of the Province, the Quebec border, to a new transformer station being constructed at Burlington. At the end of December about 225 miles of towers and footings had been erected and 125 miles of conductor had been strung.

The receiving transformer station is being designed for an ultimate capacity of 450,000 kv-a. The initial installation will be two banks of three 25,000-kv-a single-phase transformers together with necessary equipment. Other activities in connection with the Niagara system include the completion of three large transformer stations at Toronto, Thorold, and near Simcoe. Another transformer station is under construction at Hamilton and additional transformer capacity has been installed at many other stations.

In the Georgian Bay system at the Hanover frequency-changer station an additional unit of 6,750 kv-a was installed. It is operated in parallel with the original 5,000-kv-a unit for the interchange of power with the Niagara system.

In the Eastern Ontario system the capacity of the Ottawa transformer station was increased; a new transformer station was constructed to supply power to the National Research Council, and additional capacity provided at many distributing stations.

In Northern Ontario more than 43 miles of transmission circuits were erected and additional transformer capacity was installed at many stations distributing power to the mines.

In rural Ontario the construction of about 1,400 miles of rural primary line was authorized to serve applications from some 10,000 new rural consumers.

### Research Work

Since the last war an important contribution to the growth and progress of this Dominion as a scientific and industrial state has been made by research workers. Fortunately Canada has been farsighted in supporting this fundamental aid to industrial progress.

The Testing and Research Laboratory of the Commission is giving valuable technical assistance to the Department of Munitions and Supply and to the United Kingdom Technical Commission in connection with electrical matters.

### Capital Expenditure

Extensions to generating stations, transmission lines, rural distribution networks, storage works, etc., during the year necessitated a capital expenditure of \$11,188,042.25 as compared with \$9,136,803.86 in the previous year. In the co-operative systems, apart from rural extensions, the chief capital expenditures were made for important extensions and additions to transmission lines and to transformer stations. In the Northern Ontario Properties, the chief capital expenditures made were for extensions to transmission lines and transformer stations feeding mining properties.

#### CAPITAL ADDITIONS YEAR ENDED OCTOBER 31, 1940

Niagara system.....	\$ 5,602,497.12
Georgian Bay system.....	716,504.64
Eastern Ontario system.....	2,003,857.22
Thunder Bay system.....	83,719.17
Northern Ontario Properties (including northern rural power districts).....	511,674.60
Bonnechere River storage.....	*51,741.88
Service and administrative buildings and equipment.....	769,303.97
	<hr/>
	\$ 9,635,814.84
Provincial rural grant (To October 31).....	1,552,227.41
	<hr/>
Total.....	\$11,188,042.25

\*Credit.

### Efficient Utilization of Hydro Service

The Commission's programme of sales promotion was necessarily modified during the past year to meet the changed conditions imposed by the war. A large number of factory inspections were made, and special engineering reports prepared, to assist plants producing war materials to operate more efficiently. This free engineering advisory service on lighting, motive power, and heat treatment, was welcomed and used to excellent advantage by many industrial organizations throughout the Province.

While increasing attention was given to this industrial work, domestic and rural problems were not overlooked. In the rural area, in particular, every effort was made to foster the use of electricity on the farm in ways that would release manpower and enable the farmer to produce in greater volume at lower cost.



## CAPITAL INVESTMENT

The total capital investment of The Hydro-Electric Power Commission of Ontario in power undertakings is \$328,910,813.56 exclusive of government grants in respect of construction of rural power districts' lines (\$18,148,898.04); and the investment of the municipalities in distributing systems and other assets is \$120,127,058.33, making in power undertakings a total investment of \$449,037,871.89.

The following statement shows the capital invested in the respective systems, districts and municipal undertakings, etc.:

Niagara system (including Hamilton street railway).....	\$224,124,468.65
Georgian Bay system.....	12,419,752.16
Eastern Ontario system.....	24,689,319.20
Thunder Bay system.....	20,019,567.12
Office and service buildings.....	3,286,390.35
Construction plant and inventories.....	3,595,974.55
<b>Total capital investments in co-operative systems.....</b>	<b>\$288,135,472.03</b>
Northern Ontario Properties—Operated by H-E.P.C. on behalf of the Province of Ontario.....	40,585,656.50
Northern Ontario Properties—Construction plant and inventories.....	189,685.03
<b>Total Commission capital investments.....</b>	<b>\$328,910,813.56</b>
Municipalities' distribution systems.....	97,914,199.95
Other assets of municipal Hydro utilities.....	22,212,858.38
<b>Total.....</b>	<b>449,037,871.89</b>

## RESERVES OF COMMISSION AND MUNICIPAL ELECTRICAL UTILITIES

The total reserves of the Commission and the municipal electric utilities for depreciation, contingencies, stabilization of rates, sinking fund and insurance purposes, amount to \$232,644,302.88, made up as follows:

Niagara system (including Hamilton street railway).....	\$ 96,518,350.08
Georgian Bay system.....	5,622,646.91
Eastern Ontario system.....	11,351,216.08
Thunder Bay system.....	7,814,180.44
Office and service buildings and equipment.....	1,143,710.49
<b>Total reserves in respect of co-operative systems' properties.....</b>	<b>\$122,450,104.00</b>
Northern Ontario Properties.....	8,809,210.02
Fire insurance reserve.....	88,936.24
Miscellaneous reserves.....	383,250.87
Employers' liability insurance, and staff pension reserves.....	7,709,382.00
<b>Total reserves of the Commission.....</b>	<b>\$139,440,883.13</b>
<b>Total reserves and surplus of municipal electric utilities.....</b>	<b>93,203,419.75</b>
<b>Total Commission and municipal reserves.....</b>	<b>232,644,302.88</b>

**Financial Operating Results for 1940**

Increase in the use of power in industry, caused by the intensified war effort, had a notable effect upon revenues of the Commission. Sales of power direct to large industries increased the revenues of the Niagara and other co-operative systems by some \$2,200,000, notwithstanding that the increased demand for primary power restricted the amount of energy available for sale as secondary power. The war effort also increased the power demands of many municipalities as compared with the previous year, particularly during the first eleven months. In October 1940, the extension of daylight-saving time lessened the increases in municipal loads and in the consequent revenue derived by the Commission.

For all classes of service combined, the increase in revenue was more than \$4,750,000 or about 14.5 per cent for the four systems operated on behalf of municipalities. The increase in expense for power purchased, for operation, maintenance and administration and for interest, including exchange premium, was less than 4 per cent. This made it possible for the Commission to set aside an increased provision for reserves, particularly for the rate stabilization funds. This action gives practical expression to the policy announced early in the war, of anticipating and as far as possible eliminating drastic changes in the interim rates for power during any period of post-war readjustment. At the same time it facilitates financing essential war-time construction.

The Northern Ontario Properties yielded an increase in revenue over 1939 figures of more than \$800,000 or 19 per cent. As the increase in expense for operating items and interest charges was only some \$250,000, there is an increased balance available for reserves.

**REVENUE OF COMMISSION**

The revenue of the Commission at interim rates from the municipal utilities operating under cost contracts, from customers in rural power districts and from other customers with whom—on behalf of the municipalities—the Commission has special contracts, all within the Niagara, Georgian Bay, Eastern Ontario and Thunder Bay systems, aggregated \$37,399,535.90. The revenue of the Commission from customers served by the Northern Ontario Properties, which are held and operated in trust for the Province, was \$5,066,193.82, making a total of \$42,465,729.72.

Summarized operating results of these co-operative systems and rural power districts and of the Northern Ontario Properties, follow:

### SUMMARIZED OPERATING RESULTS

#### OF THE

#### NIAGARA, GEORGIAN BAY, EASTERN ONTARIO AND THUNDER BAY SYSTEMS

Revenue; amount received from or billed against municipalities and other customers.....	\$32,788,823.55	
Revenue from customers in rural power districts.....	4,610,712.35	
Total revenue, systems and rural.....		\$37,399,535.90
Operation, maintenance, administration, interest and other current expenses.....	\$27,761,883.85	
Provision for reserves—		
Renewals.....	\$2,275,830.30	
Contingencies and obsolescence.....	949,320.45	
Stabilization of rates.....	3,178,404.37	
Sinking fund.....	2,829,935.17	
	9,233,490.29	
		\$36,995,374.14
Balance.....		\$ 404,161.76

### SUMMARIZED OPERATING RESULTS

#### OF THE

#### NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario  
In trust for the Province of Ontario

Revenue; amount received from or billed against municipalities and other customers.....	\$ 5,066,193.82	
Operation, maintenance, administration, interest and other current expenses.....	\$ 2,426,094.48	
Provision for reserves—		
Renewals.....	\$ 325,420.82	
Contingencies and obsolescence.....	199,465.99	
Sinking fund.....	1,076,817.06	
	1,601,703.87	
		4,027,798.35
Balance.....		\$ 1,038,395.47

## COMPARATIVE FINANCIAL STATEMENTS

## NIAGARA SYSTEM

	1939	1940
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Power purchased .....	6,800,716.23	7,269,376.95
Operation, maintenance and administration .....	4,817,701.81	4,882,833.80
Interest .....	9,628,364.05	10,021,929.94
Provision for renewals .....	1,615,797.66	1,653,010.50
Provision for contingencies and obsolescence .....	* 53,995.92	651,619.25
Provision for stabilization of rates .....		2,487,721.50
Sinking fund .....	*2,240,773.12	2,264,519.95
TOTAL COST OF POWER .....	25,157,348.79	29,231,011.89
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts .....	25,448,869.78	29,567,161.27
Net balance credited or (charged) to municipalities under cost contracts .....	291,520.99	336,149.38

## EASTERN ONTARIO SYSTEM

	1939	1940
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Power purchased .....	1,024,071.40	1,032,632.56
Operation, maintenance and administration .....	964,191.18	955,611.54
Interest .....	1,039,632.24	1,099,651.01
Provision for renewals .....	271,339.98	294,695.11
Provision for contingencies and obsolescence .....	* 75,032.15	77,174.16
Provision for stabilization of rates .....	177,396.00	397,653.37
Sinking fund .....	* 232,607.26	243,842.36
TOTAL COST OF POWER .....	3,784,270.21	4,101,260.11
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts .....	3,787,621.56	4,180,236.52
Net balance credited to municipalities under cost contracts .....	3,351.35	78,976.41

\*After reclassification on 1940 bases—See Reserves statements.



## RESPECTING THE SYSTEMS OF THE COMMISSION

## GEORGIAN BAY SYSTEM

	1939	1940
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Power purchased .....	27,411.10	88,521.60
Operation, maintenance and administration .....	541,802.75	537,410.54
Interest .....	530,655.94	559,780.21
Provision for renewals .....	154,626.12	164,305.95
Provision for contingencies and obsolescence .....	35,903.73	36,253.18
Provision for stabilization of rates .....	94,107.00	167,806.82
Sinking fund .....	118,135.78	123,695.87
TOTAL COST OF POWER .....	1,502,642.42	1,677,774.17
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts .....	1,461,012.60	1,660,138.13
Net balance credited or (charged) to municipalities under cost contracts .....	(41,629.82)	(17,636.04)

## THUNDER BAY SYSTEM

	1939	1940
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Operation, maintenance and administration .....	367,293.70	344,796.85
Interest .....	922,326.81	969,338.85
Provision for renewals .....	161,597.19	163,818.74
Provision for contingencies and obsolescence .....	* 181,073.70	184,273.86
Provision for stabilization of rates .....	46,158.54	125,222.68
Sinking fund .....	* 196,469.07	197,876.99
TOTAL COST OF POWER .....	1,874,919.01	1,985,327.97
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts .....	1,879,467.85	1,991,999.98
Net balance credited or (charged) to municipalities under cost contracts .....	4,548.84	6,672.01

## MUNICIPAL ELECTRIC UTILITIES

The following is a summary of the year's operation of the local electric utilities conducted by municipalities receiving power under cost contracts with the Commission:

Total revenue collected by the municipal electric utilities.....	\$38,025,287.44
Cost of power.....	23,756,863.14
Operation, maintenance and administration.....	6,114,892.07
Interest.....	1,464,381.29
Sinking fund and principal payments on debentures.....	2,389,723.60
Depreciation and other reserves.....	2,644,127.10
Total.....	36,369,987.20
Surplus.....	1,655,300.24

With regard to the local Hydro utilities operating under cost contracts, the following statements summarize for each of the four co-operative systems administered by the Commission, the financial status and the year's operations as detailed in Section X of the Report:

## NIAGARA SYSTEM

The total plant assets of the Niagara system utilities amount to \$81,328,811.01. The total assets, including an equity in the H-E.P.C. of \$45,609,455.14 aggregate \$144,568,329.62. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in the H-E.P.C., amount to \$75,337,559.11, an increase of \$1,419,027.18 during the year 1940. The percentage of net debt to total assets is 18.6, a reduction of 2.4 per cent.

The total revenue of the municipal electric utilities served by this system was \$30,677,444.27, an increase of \$2,118,717.64 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$2,125,698.12 and providing \$2,223,707.93 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Niagara system amounted to \$1,280,866.74, as compared with \$661,463.52 the previous year.

## GEORGIAN BAY SYSTEM

The total plant assets of the Georgian Bay system utilities amount to \$3,026,575.25. The total assets, including an equity in the H-E.P.C. of \$1,697,365.75 aggregate \$5,284,015.09. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$3,192,112.33, an increase of \$60,939.28 during the year 1940. The percentage of the net debt to total assets is 11.0, a reduction of 0.9 per cent.

The total revenue of the municipal electric utilities served by this system was \$1,330,359.48, an increase of \$67,474.96 as compared with the previous year. After meeting all expense in respect to operation, including interest, setting up the standard depreciation reserve amounting to \$95,072.85 and providing \$45,099.86 for the retirement of instalment and sinking fund debentures, the total net loss for the year for the municipal electric utilities served by the Georgian Bay system amounted to \$18,182.98 as compared with a loss of \$26,897.01 the previous year.

## EASTERN ONTARIO SYSTEM

The total plant assets of the Eastern Ontario system utilities amount to \$9,392,825.41. The total assets including an equity in the H-E.P.C. of \$2,440,518.23, aggregate \$14,640,965.26. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$10,243,898.36, an increase of \$642,560.31 during the year 1940. The percentage of net debt to total assets is 9.7, a reduction of 1.9 per cent.

The total revenue of the municipal electric utilities served by this system was \$4,051,036.67, an increase of \$294,312.10 as compared with the previous year. After meeting all expenses in respect to operation, including interest, setting up the standard depreciation reserve amounting to \$254,994.50 and providing \$101,843.09 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Eastern Ontario system amounted to \$290,513.86 as compared with \$162,451.40 the previous year.

## THUNDER BAY SYSTEM

The total plant assets of the Thunder Bay system utilities amount to \$2,887,304.27. The total assets, including an equity in the H-E.P.C. of \$2,710,337.64, aggregate \$6,535,501.20. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$3,341,359.07, an increase of \$55,896.33 during the year 1940. The percentage of net debt to total assets is 9.6 a decrease of 0.2 per cent.

The total revenue of the municipal electric utilities served by this system was \$1,336,533.62, an increase of \$97,291.79 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$48,060.93 and providing \$9,273.30 for the retirement of instalment and sinking fund debentures, the total net loss for the year for the municipal electric utilities served by the Thunder Bay system amounted to \$21,400.66, as compared with a net loss of \$11,352.00 for the previous year.

\* \* \*

In concluding this review of the 1940 activities of the Commission reference should once again be made to the excellent co-operation the Commission has received from the partner municipalities and all officials of the local Hydro utilities. Without the whole-hearted support that has been given, the Commission's task in meeting the power demands of the war year of 1940 would have been much more difficult.

My colleagues, the Hon. William L. Houck and Mr. J. Albert Smith, join with me in acknowledging the faithful and efficient service given by the Commission's staff, many of whom have worked exceptionally long hours to meet war-time emergencies. Our thanks are also extended to the Press for its continued interest and support.

Respectfully submitted,

T. H. HOGG,  
*Chairman*

TORONTO, ONTARIO, MARCH 31ST, 1941.

T. H. HOGG, ESQ., B.A.Sc., C.E., D.ENG.,

*Chairman, The Hydro-Electric Power Commission of Ontario,  
Toronto, Ontario.*

Sir:

I have the honour to submit, herewith, the Thirty-third Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1940. This report covers the operations of the Commission with regard to the supply of power to, or on behalf of, the partner Municipalities of the several Co-operative Systems, as well as the administration of the Northern Ontario Properties, which are held and operated by the Commission in trust for the Province of Ontario.

I have the honour to be, Sir,

Your obedient servant,

OSBORNE MITCHELL,  
*Secretary.*



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TRANSMISSION LINES AND STATIONS OF THE NORTHERN ONTARIO PROPERTIES	At end of volume

# THIRTY-THIRD ANNUAL REPORT OF The Hydro-Electric Power Commission of Ontario

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## FOREWORD and Guide to the Report

THE Hydro-Electric Power Commission of Ontario administers a co-operative municipal-ownership enterprise, supplying power throughout the Province of Ontario. The Commission was created in 1906 by special act of the Legislature and followed investigations by advisory commissions appointed as a result of public agitation to conserve the water powers of Ontario as a valuable asset of the people and to provide a more satisfactory supply of low-cost power in Southern Ontario. In 1907 The Power Commission Act (7-Edward VII Ch. 19) was passed amplifying and extending the Act of 1906 and this Act—modified by numerous amending acts which now form part of the Revised Statutes of Ontario, 1937, Chap. 62—constitutes the authority under which the Commission operates.

The Hydro-Electric Power Commission of Ontario consists of a Chairman and two Commissioners, all of whom are appointed by the Lieutenant-Governor-in-Council to hold office during pleasure. One of the Commissioners must be a member of the Executive Council and two may be members.

In 1909, work was commenced on a comprehensive transmission system and by the end of 1910 power was being supplied to several municipalities.

The Commission has now been supplying electrical energy for more than thirty years and the Report contains diagrams depicting the growth of the enterprise. During this period the costs of electricity to the consumer have been substantially reduced and the finances of the enterprise have been established on a secure foundation.

At the end of 1940 the Commission was serving 886 municipalities in Ontario. This number included 26 cities, 104 towns, 304 villages and police villages and 452 townships. With the exception of 14 suburban sections of townships known as “voted areas”, the townships and 119 of the smaller villages are served as parts of 184 rural power districts.

### Financial Features of Co-operative Systems

The basic principle governing the financial operations of the undertaking is, that electrical service be given by the Commission to the municipalities and by the municipalities to the ultimate consumers at cost. Cost includes not only all operating and maintenance charges, interest on capital investment and reserves for renewals or depreciation, for obsolescence and contingencies, and for stabilization of rates, but also a reserve for sinking fund or capital payments on debentures.



The undertaking from its inception has been entirely self-supporting and no contributions have been made from general taxes except in connection with service in rural power districts. In this case, the Province, in pursuance of its long established policy of assisting agriculture and with the approval of the urban citizens, assists extension of rural electrical service by a grant-in-aid of the capital cost and in other ways as specified and detailed in the Report.

As the principle of "service at cost" is radically different from that obtaining in private organizations, where profit is the governing feature, it naturally results in different and in some ways unique administrative features.

The undertaking as a whole involves two distinct phases of operations as follows:

The *First* phase of operations is the provision of the electrical power—either by generation or purchase—and its transformation, transmission and delivery in *wholesale* quantities to individual municipal utilities, to large industrial consumers, and to rural power districts. This phase of the operations is performed by The Hydro-Electric Power Commission of Ontario as trustee for the municipalities acting collectively in groups or "systems," and the financial statements relating to these collective activities of the municipalities are presented in Section IX of the Report. Each system of municipalities, as provided in *The Power Commission Act*, forms an independent financial unit and the accounts are therefore segregated and separately presented for each system. In order, however, that there may be a comprehensive presentation of the co-operative activities of the undertaking as a whole, there are presented, in addition, for the four main systems and miscellaneous co-operative activities, a balance sheet of assets and liabilities, a statement of cost distributions, a tabulation of fixed assets, and summary combined statements respecting the various reserves.

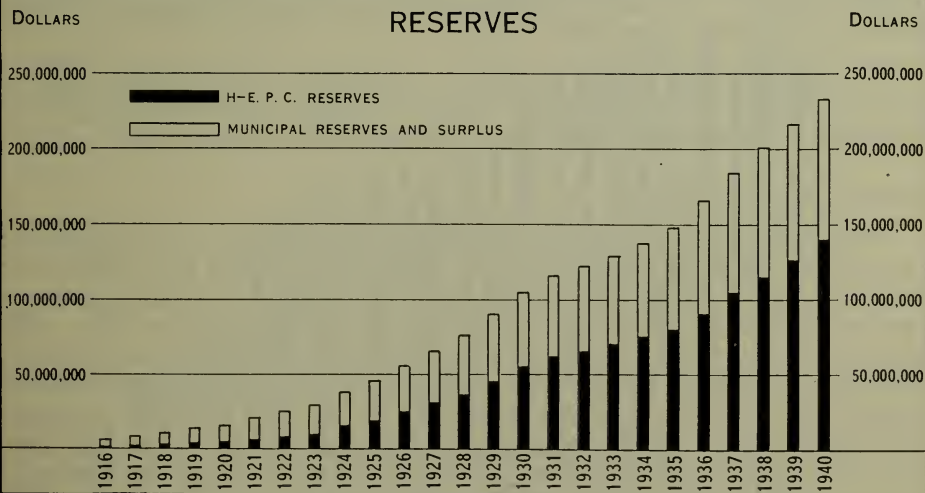
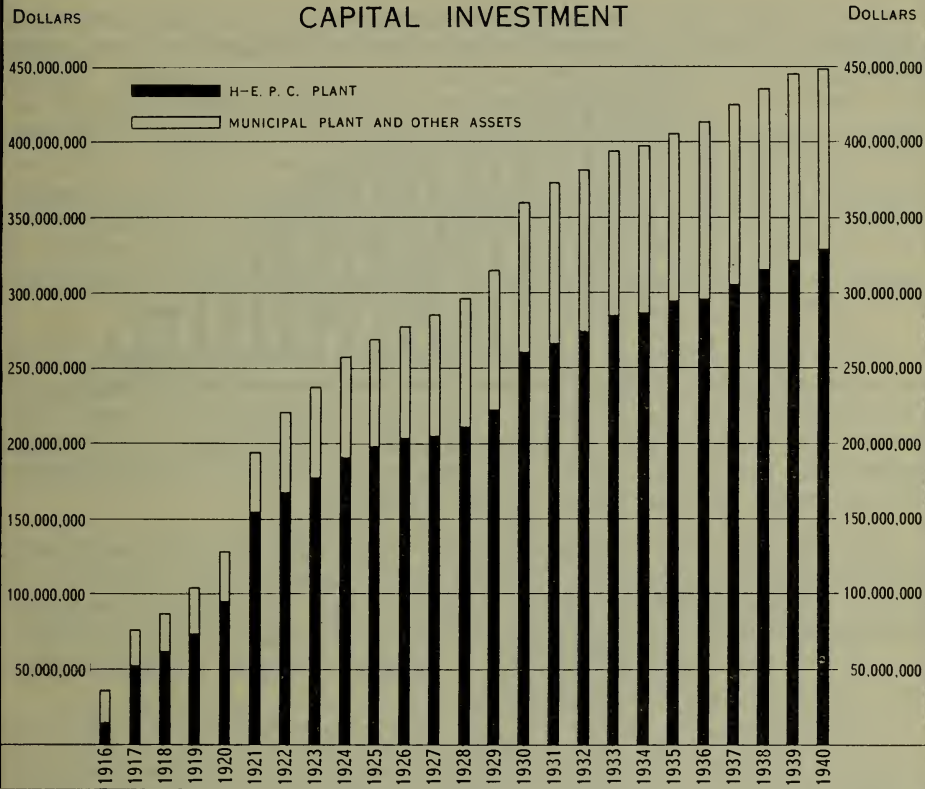
The *Second* phase of operations is the *retail* distribution of electrical energy to consumers within the limits of the areas served by the various municipal utilities and rural power districts. In the case of rural power districts which usually embrace portions of more than one township, The Hydro-Electric Power Commission not only provides the power at wholesale, but also—on behalf of the respective individual townships—attends to all physical and financial operations connected with the distribution of energy at retail to the consumers within the rural power districts. Summary financial statements relating to the rural power districts are also presented in Section IX of the Report, and a general report on their operation is given in Section III.

In the case of cities, towns, many villages and certain thickly populated areas of townships, retail distribution of electrical energy provided by the Commission is in general conducted by individual local municipal utility commissions under the general supervision of The Hydro-Electric Power Commission of Ontario. The balance sheets, operating reports and statistical data relating to the individual urban electrical utilities are presented in Section X of the Report.

For the Northern Ontario Properties held and operated by the Commission in trust for the Province there are also presented in Section IX financial statements including a balance sheet, an operating account, and statements respecting reserves and capital expenditures.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TWENTY-FIVE YEARS RECORD—ALL SYSTEMS



Further details respecting administration, and explanations of the financial tables presented in the Report are given in the introductions to sections IX and X on pages 103 and 187.

#### Co-operative Systems Operating

From time to time in accordance with provisions in *The Power Commission Act* various groups of municipalities have been co-ordinated to form systems for the purpose of obtaining power supplies from convenient sources. In some cases these small systems grew until their transmission lines interlocked with those of adjacent systems and it proved beneficial to consolidate the transmission networks and the financial and administrative features. In the well settled parts of the Province, known as Old Ontario, this process has now reached a more stable condition and the municipalities of the southern part of the Province are now combined in three systems: the Niagara system, the Georgian Bay system and the Eastern Ontario system. One other system of partnership municipalities is known as the Thunder Bay system.

*The Niagara System* is the largest and most important system. It embraces municipalities in all the territory between Niagara Falls, Hamilton and Toronto on the east and Windsor, Sarnia and Goderich on the west. It is served with electrical energy generated at plants on the Niagara river, supplemented with power transmitted from generating plants on the Ottawa river and with power purchased from Quebec companies.

*The Georgian Bay System* comprises municipalities in that part of the Province which surrounds the southern end of Georgian Bay and lies to the north of the territory served by the Niagara system. It includes the districts surrounding lake Simcoe and extends as far north as Huntsville in the Lake of Bays district and south to Port Perry. Its power supplies are derived chiefly from local water power developments.

*The Eastern Ontario System* serves all of Ontario east of the areas comprising the Georgian Bay and the Niagara systems. It includes the districts of Central Ontario, St. Lawrence, Rideau, Ottawa and Madawaska; formerly separate systems. Its power supplies are from local developments supplemented by purchases from other sources.

*The Thunder Bay System* comprises the cities of Port Arthur and Fort William, adjacent rural sections, the village of Nipigon, and the mining district of Longlac. Two developments on the Nipigon river supply power.

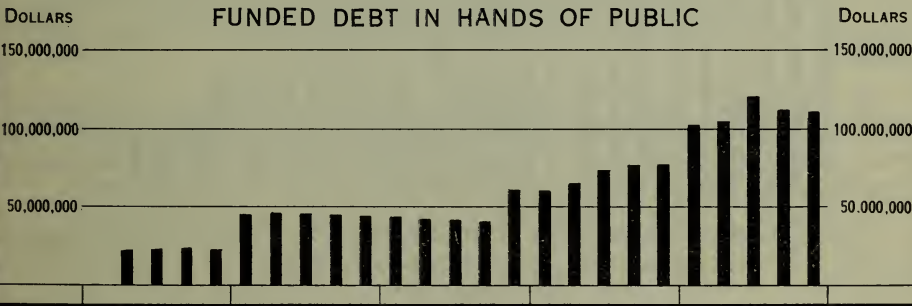
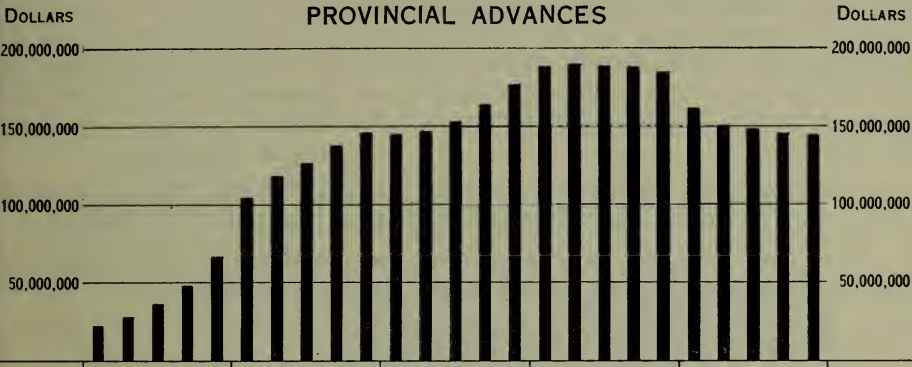
#### Northern Ontario Properties

In addition to its operations on behalf of the partner municipalities, the Commission, under an agreement with the Province, holds and operates the Northern Ontario Properties in trust for the Province. For the purposes of financial administration these properties are treated as one unit. The Northern Ontario Properties lie in the portion of the Province north of Lake Nipissing and French River areas, exclusive of the territory served by the Thunder Bay system. The principal areas in this vast territory at present receiving service are the *Nipissing District* centering around the city of North Bay on the shore of lake Nipissing; the *Sudbury District* comprising the city of Sudbury and the adjacent mining area known as Sudbury Basin; the *Abitibi*



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

PROVINCIAL ADVANCES AND FUNDED DEBT



*District* comprising the territory served by 25-cycle power from the Abitibi Canyon development, together with a small area in the southern portion of the district of Sudbury in which mining properties are served with 60-cycle power; the *Patricia-St. Joseph District* comprising the territory within transmission distance of the Ear Falls development at the outlet of lac Seul on the English river including the Red Lake mining area, and the territory immediately north of lake St. Joseph in the territorial district of Patricia served with power from a development at Rat Rapids on the Albany river. Included in the Northern Ontario Properties are rural power districts on Manitoulin island, and others adjacent to the communities served in the various districts of Northern Ontario.

The geographic boundaries of the various systems and districts are shown on the maps of transmission lines and stations at the back of the Report.

The power supplies for the systems and Northern Ontario districts are listed in the first table of Section II of the Report on pages 8 and 9.

#### **The Annual Report**

The table of contents, pages xxi and xxii lists the matters dealt with in the Report. At the end of the Report there is a comprehensive index. To those not conversant with the Commission's Reports, the following notes will be useful.

In Section II, pages 7 to 34, dealing with the operations of the systems, are a number of diagrams showing graphically the monthly loads on the several systems and districts. Tables are also presented showing the amounts of power taken by the various municipalities during the past two years.

The rural distribution work of the Commission has proved of widespread interest and special reference to this is made in Section III on pages 41 to 60.

In Sections V and VI will be found information respecting progress of work on new power developments and on transmission system extensions, together with photographic illustrations.

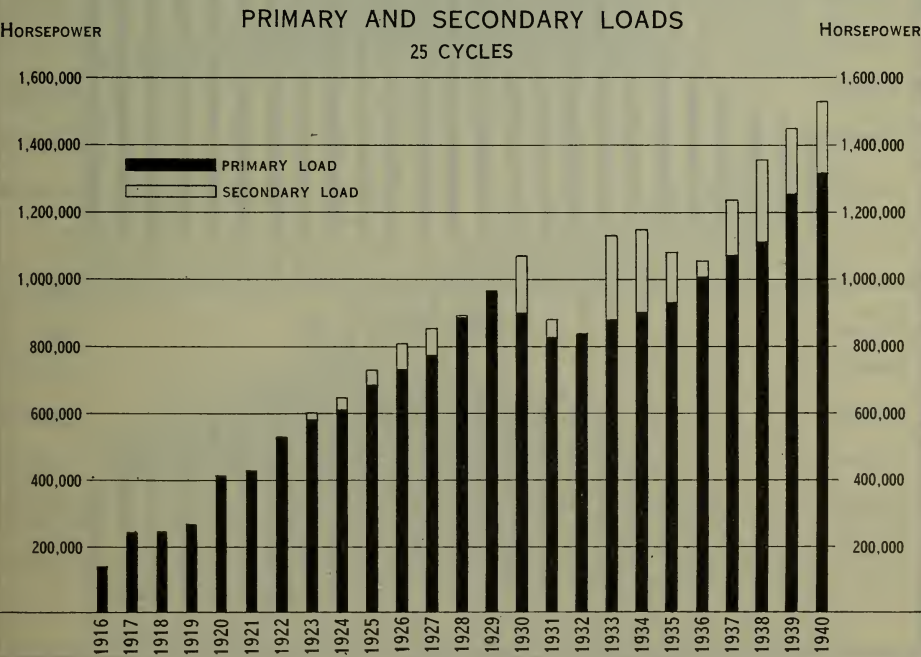
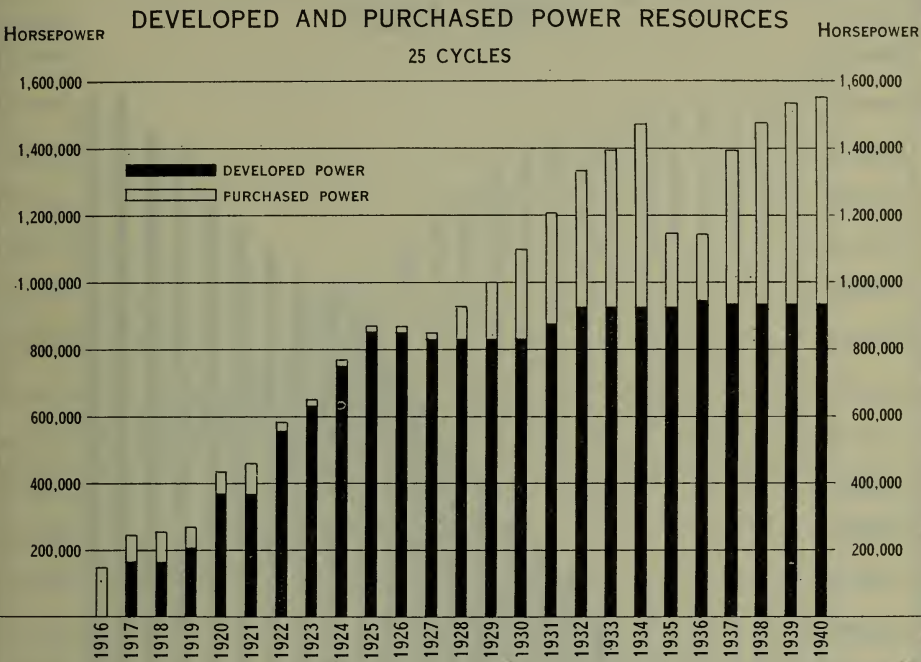
About one-half of the Report is devoted to financial and other statistical data which are presented in two sections IX and X already referred to above.

Frequent enquiries for the rates for service to consumers are received by the Commission. For the urban municipalities served by the Commission these are given in statement "E" starting on page 344. For the rural power districts they are given in a table starting on page 52. Certain statistical data resulting from the application of the rates in urban utilities are given in statement "D". This statement is prefaced by a special introduction starting on page 326.

In its Annual Reports the Commission aims to present a comprehensive statement respecting the activities of the whole undertaking under its administration. Explanatory statements are suitably placed throughout the Report. The Commission receives many letters asking for general information respecting its activities, as well as requests for specific information concerning certain phases of its operations. In most cases the enquiries can satisfactorily be answered by simply directing attention to information presented in the Annual Report.

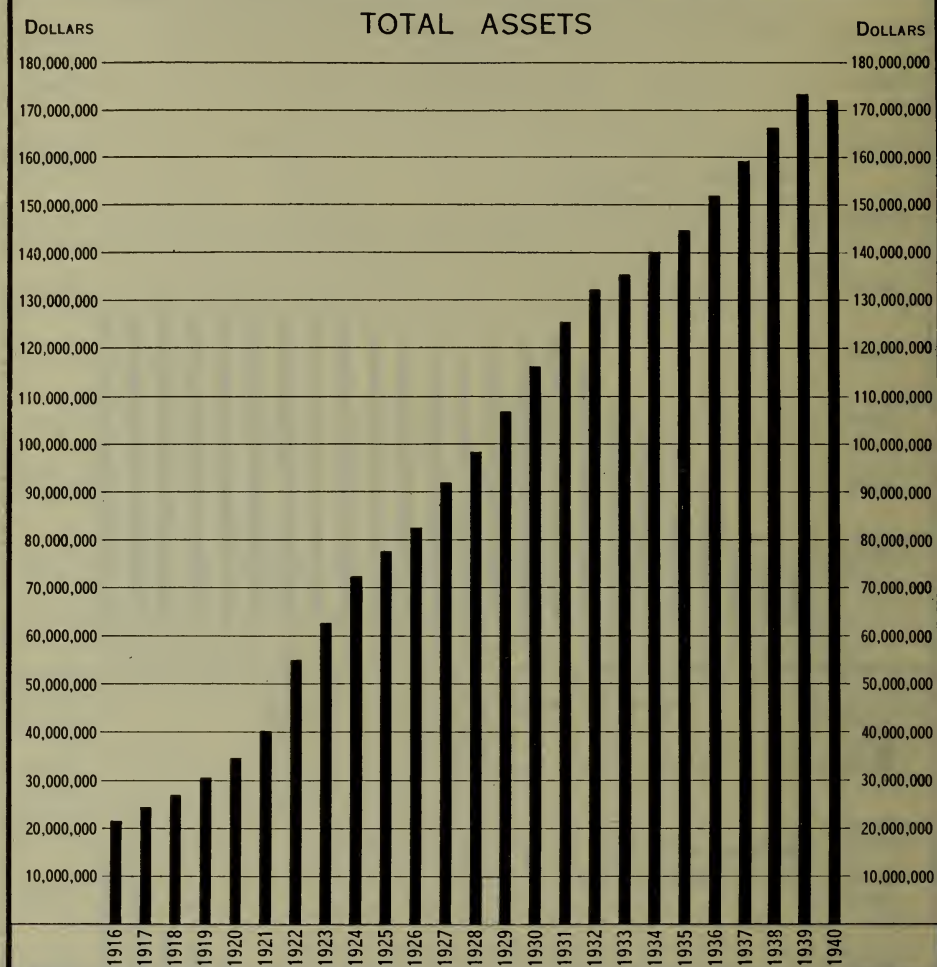
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TWENTY-FIVE YEARS RECORD — NIAGARA SYSTEM





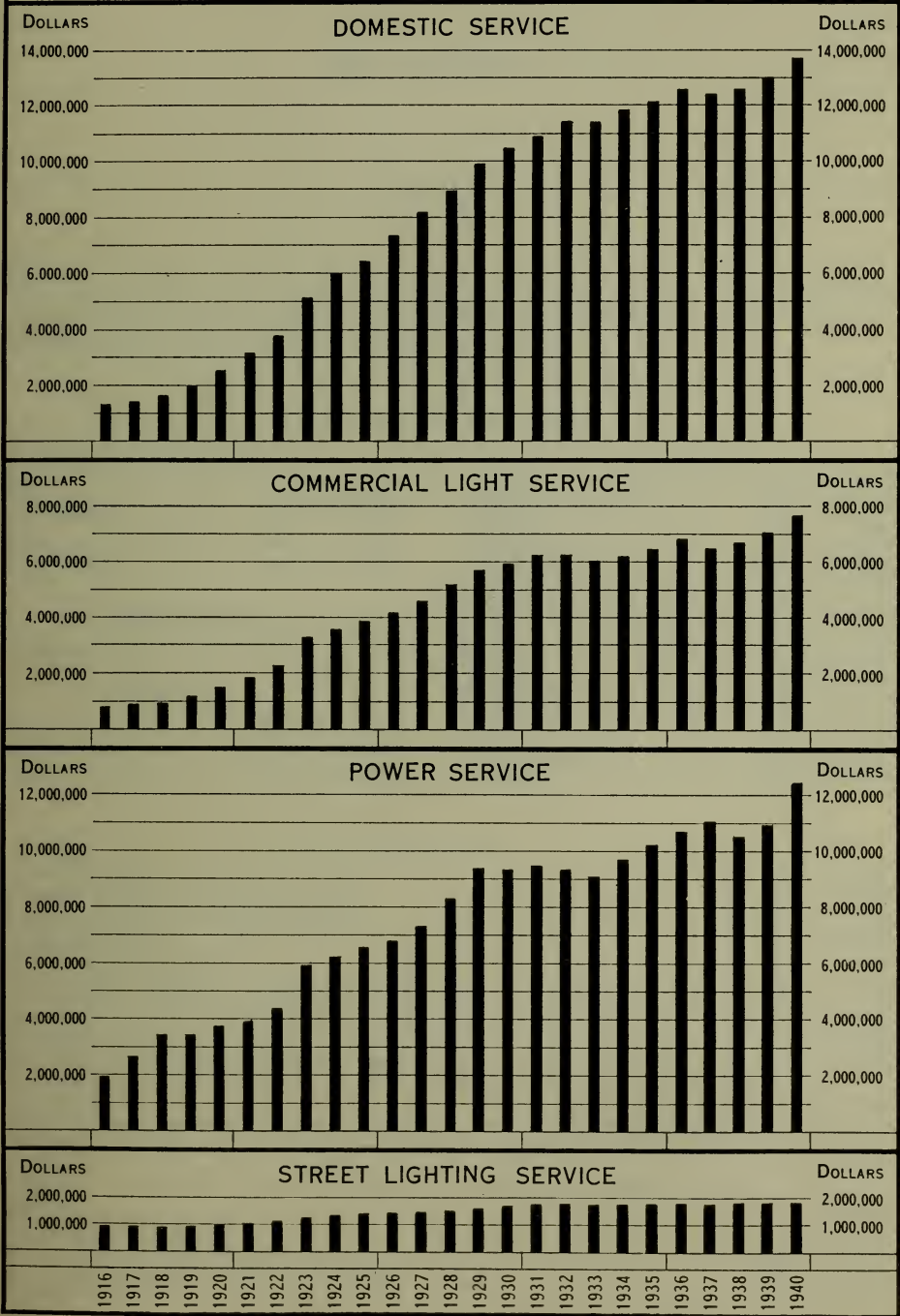
## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

HYDRO UTILITIES OF CO-OPERATING URBAN MUNICIPALITIES  
TWENTY-FIVE YEARS RECORD



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

HYDRO UTILITIES OF CO-OPERATING URBAN MUNICIPALITIES  
TWENTY-FIVE YEARS REVENUES





## SECTION I

### LEGAL

THE agreements between The Hydro-Electric Power Commission of Ontario and municipalities and corporations mentioned in the list hereunder given were approved by Orders-in-Council.

#### CO-OPERATIVE SYSTEMS

##### VILLAGES

Iroquois.....	Jan. 24, 1940
Killaloe Station.....	April 30, 1940
Omeme.....	Dec. 4, 1939
Sturgeon Point.....	Aug. 10, 1940

##### POLICE VILLAGE

Smithville.....	Nov. 21, 1940
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##### TOWNSHIPS

Bayham.....	Mar. 4, 1940
Cardiff.....	Dec. 15, 1939
Chandos.....	July 31, 1940

##### TOWNSHIPS

Christie.....	April 20, 1940
Clarendon and Miller.....	July 5, 1940
Dunwich.....	Oct. 7, 1940
Front of Yonge.....	April 3, 1940
Glamorgan.....	Jan. 8, 1940
Guelph.....	Dec. 15, 1939
Hagarty and Richards.....	Feb. 5, 1940
King.....	Dec. 15, 1939
Lindsay.....	April 13, 1940
Lochiel.....	April 9, 1940
Monmouth.....	Dec. 15, 1939
Mountain.....	Jan. 30, 1940
Nelson.....	Oct. 30, 1940
St. Edmunds.....	April 15, 1940
Wollaston.....	July 20, 1940

#### CORPORATIONS

Atlas Steels Limited.....	Feb. 19, 1940
Bata Import & Export Company Limited.....	May 7, 1939
Bata Shoe Company of Canada Limited.....	Oct. 17, 1940
Best Yeast Limited.....	May 1, 1940
Caldwell Linen Mills, Limited.....	Aug. 3, 1940
Canada Cement Company Limited.....	May 7, 1940
Canadian Bridge Company Limited and Canadian Steel Corporation Limited.....	Aug. 19, 1940
Consolidated Sand & Gravel Limited.....	June 24, 1940
Davis Leather Company, Limited.....	Oct. 1, 1938
Gypsum Lime and Alabastine, Canada Limited.....	Oct. 26, 1940
His Majesty The King, represented by The Minister of National Defence for Canada.....	April 24, 1940
His Majesty The King, represented by The Minister of National Defence for Air.....	Nov. 6, 1940
The Honorary Advisory Council for Scientific and Industrial Research (Firm Power).....	Jan. 16, 1940
The Honorary Advisory Council for Scientific and Industrial Research (At-will Power).....	Jan. 16, 1940
Lionite Abrasives Limited.....	May 1, 1940
Robin Hood Flour Mills, Limited.....	July 29, 1940
Robin Hood Flour Mills, Limited (amending).....	Feb. 4, 1941
Small Arms, Limited.....	Nov. 26, 1940

## NORTHERN ONTARIO PROPERTIES

## CITIES

North Bay.....	Oct. 25, 1940
Sudbury.....	Jan. 2, 1940

## TOWNSHIPS

Alberton.....	Feb. 12, 1940
Chapple.....	Mar. 2, 1940
East Ferris.....	April 8, 1940
Himsworth North.....	May 15, 1940
Howland.....	Jan. 8, 1940

## CORPORATIONS

Bonetal Gold Mines Limited.....	Oct. 12, 1940
Cochenour-Willans Gold Mines Limited.....	May 29, 1940
Golden Gate Mining Co. Limited.....	June 15, 1940
Lake Shore Mines Limited.....	Feb. 21, 1940
McMarmac Red Lake Gold Mines Limited.....	Dec. 20, 1939
McMarmac Red Lake Gold Mines Limited.....	Aug. 2, 1940

## RIGHT-OF-WAY AND PROPERTY

THE increased scale of operations, closely associated with Canada's war effort, resulted in a 35 per cent increase in right-of-way requirements, largely in the industrialized areas of the Province.

## Power Development Lands

A right-of-way 100 feet in width and about 4 miles long for a roadway and transmission line extending from the Ragged Rapids development to the Big Eddy development, both on the Musquash river, was acquired. Adjacent to the Ragged Rapids plant the right-of-way was obtained from a number of private owners, but for most of it the fee was acquired from the Indian Branch of the Department of Mines and Resources, as the site for the development is situated within the Gibson Indian Reserve. By agreement with the Canadian Pacific Railway a siding at Bala was provided.

To provide better access to the Ragged Rapids and Big Eddy developments and to eliminate a hazardous highway crossing of the Canadian Pacific Railway, the Commission joined with the town of Bala, the townships of Wood and Medora and the railway company for the relocation of the highway.

In connection with the new power development at Barrett Chute on the Madawaska river near Calabogie, right-of-way for 3 miles of roadway and transmission line from the Black Donald highway was acquired. Sand and gravel areas were also purchased and a siding at Calabogie was rehabilitated and extended by agreement with the Canadian Pacific Railway Company.

Further claims respecting property abutting Chats lake were settled.

## Transmission and Distribution Lines

Rights for 271 miles of the original steel transmission line erected in 1909 were renewed. A greatly increased main line construction programme necessitated the acquisition of 5,613 easements, 1,051 crossing agreements



with other corporations, 1,358 tree trimming agreements, and settlement of 748 damage claims. The fee of approximately 50 miles of main transmission line right-of-way was also acquired, involving 186 purchase agreements.

Transmission line rights of importance were acquired in the following systems:

**Niagara System**—Urban development adjacent to several of the larger centres made it necessary to purchase the fee of rights-of-way in order to make permanent provision for essential transmission lines. These purchases included property to complete a strip of over-all width of 200 feet extending from Dundas transformer station southerly for 1.5 miles, and a strip of 100 feet of over-all width extending from the east limits of Kitchener through the southerly portion of the city to the Canadian National Railways' main line from Kitchener to Stratford.

A right-of-way was acquired for a 110,000-volt transmission line 109 miles long from St. Thomas transformer station to Essex transformer station. Perpetual easements 100 feet wide were acquired for the easterly 103 miles, and for the westerly 6 miles the fee of a strip of land adjacent to the existing owned right-of-way was purchased to provide an over-all width of 158 feet.

An agreement with the Province of Ontario provided for the sale of former radial railway lands extending from immediately west of the Humber river to Mimico creek upon which was located the main circuit steel-tower line from Niagara Falls. All lands lying south of the Canadian National Railways were surrendered to provide a terminus and grade separation for the Queen Elizabeth Way entering Toronto from the west. In order to maintain the continuity of the important right-of-way entering the city from the west, a strip of land 150 feet in width to the north of the Canadian National Railways and extending easterly from Salisbury avenue to the Humber was transferred to the Commission.

The remaining former radial railway right-of-way and lands lying between Mimico creek and Oakville were transferred to the Niagara system and will be held in reserve until the Commission's requirements are determined.

A lease was negotiated with the Canadian National Railways for the construction of a 110,000-volt steel-tower transmission line from St. Clair avenue northerly along the right-of-way of that railway to Fairbank junction, and easterly to the new Fairbank transformer station on the northerly edge of the Canadian National Railways belt line and immediately east of Danesbury avenue.

**220,000-volt lines**—A perpetual easement right-of-way 150 feet in width was acquired from Baudet at the inter-provincial boundary at the easterly extremity of the Province to a junction with the Gatineau lines in Whitby township, a distance of approximately 270 miles. Certain revisions to the fourth unused Gatineau line were required in order to bring the new line to a point in Pickering township where the Beauharnois lines diverge to cross the Metropolitan area of Toronto.

From this latter point, rights 150 feet in width are being acquired extending westerly to an intersection with the Canadian Pacific Railway main line in Scarboro township. Commencing at the Canadian Pacific Railway



and extending westerly to Leaside junction, the fee of a strip 350 feet in width is being acquired. Negotiations are being conducted for the acquisition of the fee of a strip 150 feet in width from Leaside junction to Leaside transformer station. From Leaside junction westerly to Etobicoke creek through Metropolitan Toronto a strip of minimum width of 350 feet is being purchased so as to provide a permanent right-of-way to protect the present and future projected needs of the Commission with respect to east and west transmission line requirements.

Other lines of importance for which perpetual easement and clearing rights were acquired are as follows: Decewsville to Rainham junction; Rainham junction to Rainham distributing station; Rainham junction to Jarvis; Lawrence avenue junction to DeHaviland; Bendale junction to Agincourt; Lawrence avenue to York Mills; Sun Brick to East York; Kent to Prince Albert junction; Hamilton to Windermere junction; Escarpment junction to Smithville; Fairbank to Glencairn; Fairbank to Forest Hill; Fairbank to York "C"; York "C" to York "A"; and Fairbank to Kodak junction.

**Georgian Bay System**—Perpetual easement rights 66 feet in width and rights to clear were acquired for a 110,000-volt wood-pole line from Ragged Rapids to Nobel.

**Eastern Ontario System**—Perpetual easement rights were acquired for a 110,000-volt wood-pole transmission line extending from Chats Falls to Federal junction, the centre line of which is spaced 100 feet from the existing 220,000-volt line of the Niagara system.

The fee of additional property was acquired near Ottawa from Federal junction easterly to a point near Hawthorne, a distance of six miles; this strip parallels an owned right-of-way, and will provide an over-all width of 225 feet. Negotiations are proceeding for the acquisition of the fee of a 66-foot strip extending from near Hawthorne northerly to the National Research (Ottawa) transformer station intersecting the Canadian National Railways right-of-way at Cyrville junction.

The right-of-way of the Canadian National Railways extending from Ottawa to Hawkesbury was offered for sale and the opportunity was taken to purchase that portion extending from Herdman Bridge to Cumberland. The easterly end of the right-of-way extending from Cumberland to Cyrville junction provided an excellent right-of-way for the tie-line from Lievre junction to Cyrville junction, and the westerly portion thereof is expected to be of very considerable value as a ready means of entrance to the east limits of Ottawa.

Perpetual easement rights for a right-of-way 66 feet in width and 56 miles long, from Frontenac transformer station near the north limits of Kingston to Sidney transformer station near Trenton, were acquired for a steel transmission line. The rights were extended westerly from the latter point to the reinsulated line from Newcome junction to Oshawa transformer station; this completes the 110,000-volt transmission line rights required for the new supply of power to Oshawa transformer station.

Rights were acquired for a new 44,000-volt line from Cornwall transformer station to Howard Smith Paper Mills.

**Northern Ontario Properties**—Perpetual easement rights were acquired for transmission lines from Kirkland Lake transformer station to Lake Shore Gold Mines in the Abitibi district, and from Couchenor-Willan to McMarmac Gold Mines, and Uchi switching station to Jason Gold Mines, in the Patricia-St. Joseph district.

#### Station Sites

Some of the more important station sites acquired included the following:

Burlington transformer station, immediately east of the town line between East Flamboro and Nelson townships and adjoining the Canadian National Railways' main line to the north. This site contains an area of approximately 80 acres, and includes a number of small holdings with dwellings which must be removed. Arrangements were made with the Canadian National Railways for a private siding.

At Fairbank a large area was acquired for a transformer station and for future expansion; a number of buildings on the site were removed. Arrangements for a siding were made with the Canadian National Railways.

In Oshawa a transformer station site is being acquired.

A site was purchased for a transformer station at the northwest corner of Brownleigh avenue and Centre street, Crowland township, adjacent to the eastern limits of the city of Welland and adjoining the Atlas Steels Limited property.

In Sudbury, at the corner of Brebeuf and Kathleen streets, a transformer station site was acquired.

Other important sites for switching, distribution or rural stations were acquired at the following places:

East York, Bartonville, Perth, Stayner, Thornhill, Port Hope, DeHavilland, Mountain View Airport, Sharon, Wasaga Beach, Agincourt, Bolton, Brantford Airport, and Rainham.

Of agreements totalling 7,719 negotiated for rights on privately-owned properties, only six owners appealed to the valuator appointed under The Power Commission Act.

#### Sales and Leases

The policy of disposing of excess lands was continued and many properties were sold.

Lands owned by the Commission in connection with power developments, and also lands comprising several hundred miles of right-of-way not wholly occupied by the Commission's equipment, were leased wherever possible to adjoining property owners subject to joint use thereof. Practically all of the residences owned by the Commission were occupied under lease. A substantial increase in the number of revenue-bearing leases was effected.

### Surveys

In connection with the purchase of station sites, transmission line right-of-way, and miscellaneous properties, the renewal of rights, the acquisition of easements and crossing agreements, the settlement of damage claims and other matters as referred to in the foregoing summary, a large number of surveys were made.

Among the more important surveys were those made in connection with the renewal of the rights on 200 miles of the original 270 miles of line constructed in 1909; the purchase of 40 miles of lands for transmission line entrances to important urban areas; the 109 miles of right-of-way between the St. Thomas and Essex transformer stations; the 270 miles of right-of-way from the east Provincial boundary at Baudet to Whitby township, and the power development, transmission line, and roadway lands in connection with the Big Eddy and Ragged Rapids developments of the Georgian Bay system.

### Records

The following is a brief summary of the records made:

- (1) All current deeds, including plans attached, were copied in the title record books, and title record plans brought up to date.
- (2) Plans were indexed for all purchases, sales, easements, leases, licences of occupation, crossings and title records.
- (3) The following were indexed: 216 deeds of land; 773 trimming rights and 3,189 transmission line easements.

### Taxes

Assessments covering Commission-owned properties were received from 265 municipalities. Where assessments were not in conformity with the provisions of The Power Commission Act, appeals were made, resulting generally in a reduction of assessment and taxes.



## SECTION II

### OPERATION OF THE SYSTEMS

NO special operating difficulties were encountered during the year; service interruptions were comparatively few, and no major failure of equipment occurred. Precipitation on most of the watersheds supplying the Commission's generating stations was subnormal during the early part of the year, but during the spring run-off storage basins were filled and water conditions at the close of the year were satisfactory.

#### Load Conditions

The total output from all generated and purchased sources amounted to 9,686,402,421 kilowatt-hours. This was the largest output on record, and exceeded that of the previous fiscal year by 13.9 per cent. The October peak load, including primary and secondary power, was 1,954,069 horsepower, slightly lower than the October, 1939, peak.

The output for primary power purposes also exceeded all previous records. It amounted to 7,837,727,173 kilowatt-hours, an increase of 19.2 per cent. The monthly primary peak loads, without exception, exceeded all recorded maxima for corresponding months in any year. Compared with the previous year the increase in primary peak loads during the first eleven months of the year was in the order of 14 per cent, but as a result of daylight-saving time being continued beyond September, the October primary peak, amounting to 1,783,962 horsepower, was only 6.9 per cent greater than the October, 1939, peak.

The greater portion of the current year's increase in primary load was centred in the Niagara system, and arose in a large measure from the greater demands of the electro-metallurgical and electro-chemical industries in the production of war material. Numerous other plants manufacturing war material also contributed to the year's growth, as did the greater than normal use of electricity in the commercial and domestic fields occasioned by the war effort. Both the Georgian Bay and Eastern Ontario systems recorded substantial increases in load, a considerable portion being directly attributable to the production of war material. In the Northern Ontario Properties



**TOTAL POWER GENERATED**  
**HYDRO-ELECTRIC GENERATING PLANTS**

Generating plants	Maximum normal plant capacity Oct. 31, 1940 horsepower	Peak load during fiscal year		Total output during fiscal year	
		1938-39 horse-power	1939-40 horse-power	1938-39 kilowatt-hours	1939-40 kilowatt-hours
<b>Niagara system</b>					
Queenston-Chippawa—Niagara river.....	500,000	494,638	486,595	2,273,928,000	2,740,693,000
"Ontario Power"—Niagara river.....	180,000	176,944	180,295	680,430,000	903,501,000
"Toronto Power"—Niagara river.....	150,000	136,059	130,965	280,146,000	176,204,000
Chats Falls (Ontario half)—Ottawa river.....	108,000	114,611	113,941	342,874,500	400,814,400
DeCew Falls—Welland canal.....	50,000	46,917	50,268	137,088,000	157,990,000
Steam plant—Hamilton.....	24,000	8,311	0	21,600	0
<b>Georgian Bay system</b>					
South Falls—South Muskoka river.....	5,600	5,898	5,898	23,305,500	25,205,880
Hanna Chute—South Muskoka river.....	1,600	1,743	1,743	7,368,000	6,969,600
Trethewey Falls—South Muskoka river.....	2,300	2,145	2,279	9,487,200	9,292,800
Ragged Rapids—Musquash river.....	10,000	10,154	10,154	31,595,100	35,218,500
Bala No. 1 and No. 2—Muskoka river.....	600	597	590	2,953,920	1,928,000
Big Chute—Severn river.....	5,800	5,912	6,113	22,030,200	21,445,780
Wadells Falls—Severn river.....	1,200	1,220	1,206	2,946,140	3,680,000
Eugenia Falls—Beaver river.....	7,800	7,668	7,828	14,091,600	11,826,800
Hanover—Saugeen river.....	400	416	429	205,920	1,246,468
Walkerton—Saugeen river.....	500	489	496	1,448,200	1,923,800
<b>Eastern Ontario system</b>					
Sidney—Dam No. 2—Trent river.....	4,500	5,261	5,228	20,626,200	19,008,000
Frankford—Dam No. 5—Trent river.....	3,500	3,861	4,424	15,493,600	15,347,100
Sills Island—Dam No. 6—Trent river.....	2,100	2,332	2,252	9,433,680	9,960,080
Meysburg—Dam No. 8—Trent river.....	7,000	7,895	7,741	28,656,400	33,016,530
Hague's Reach—Dam No. 9—Trent river.....	4,500	4,799	5,161	20,454,630	19,835,470
Ranney Falls—Dam No. 10—Trent river.....	11,500	11,930	12,172	49,417,880	50,351,860
Seymour—Dam No. 11—Trent river.....	4,200	4,826	4,390	17,569,920	16,835,520
Heely Falls—Dam No. 14—Trent river.....	15,300	16,086	16,086	58,163,420	63,470,240
Auburn—Dam No. 18—Trent river.....	2,400	2,607	3,499	11,444,580	10,776,490
Douro—Lock No. 24—Otonabee river.....	900	938	871	161,850	45,450
Lakefield—Otonabee river.....	2,300	2,413	2,433	9,971,260	8,682,410
Young's Point—Otonabee river.....	500	0	496	0	24,500
Fenelon Falls—Dam No. 30—Sturgeon river.....	1,000	952	938	2,505,800	2,730,900
High Falls—Mississippi river.....	3,000	3,271	3,083	8,595,240	11,787,000
Carleton Place—Mississippi river.....	400	0	0	0	0
Calabogie—Madawaska river.....	6,000	6,354	6,273	18,608,390	16,749,270
Galetta—Mississippi river.....	1,100	1,206	1,220	2,260,200	2,684,400
<b>Thunder Bay system</b>					
Cameron Falls—Nipigon river.....	73,500	75,201	67,024	362,880,000	290,467,000
Alexander—Nipigon river.....	50,000	52,681	51,877	273,028,800	240,124,800
<b>Northern Ontario Properties</b>					
<b>Nipissing district</b>					
Nipissing—South river.....	2,100	2,259	2,212	7,329,560	6,867,180
Bingham Chute—South river.....	1,200	1,287	1,300	3,771,440	3,837,520
Elliott Chute—South river.....	1,700	1,897	1,890	2,781,400	2,863,800
<b>Sudbury district</b>					
Coniston—Wanapitei river.....	5,900	5,764	5,898	23,322,350	21,633,600
McVittie—Wanapitei river.....	3,100	3,217	3,217	17,374,700	17,294,600
Stinson—Wanapitei river.....	7,500	6,917	7,239	19,308,000	19,224,000
Crystal Falls—Sturgeon river.....	10,000	8,190	10,214	25,708,295	32,871,868
<b>Abitibi district</b>					
Abitibi Canyon—Abitibi river.....	240,000	188,740	211,796	901,415,000	1,077,106,500
<b>Patricia-St. Joseph district</b>					
Ear Falls—Albany river.....	15,000	9,122	13,271	38,190,600	55,531,920
Rat Rapids—Albany river.....	3,000	3,458	3,458	17,086,540	17,180,160
<b>Total generated.....</b>	<b>1,531 000</b>	<b>*</b>	<b>*</b>	<b>5,795,479,615</b>	<b>6,564,248,196</b>

\* Because the peak loads on the various generating plants and purchased power sources usually occur at different times, the sum of the individual peak loads would not represent the sum of the peak loads on the systems. These, in the case of each system, must relate to the maximum load occurring at any one time. Consequently, the column headed "Peak load" is not totalled.

## AND PURCHASED—ALL SYSTEMS

## POWER PURCHASED

Power source	Contract amount horsepower Oct. 31, 1940	Total purchased	
		1938-39 Kilowatt-hours	1939-40 Kilowatt-hours
Canadian Niagara Power Co. ....	20,000	84,170,800	94,151,700
Gatineau Power Co.—25-cycle .....	260,000	914,970,500	1,196,338,740
Ottawa Valley Power Co. ....	108,000	342,874,500	400,814,400
Beauharnois Light, Heat and Power Co. ....	150,000	727,740,000	737,806,930
Maclaren-Quebec Power Co. ....	80,000	272,709,000	313,291,000
Gatineau Power Co.—60-cycle delivery at 110 kv.	60,000	274,342,600	275,838,460
Gatineau Power Co.—60-cycle delivery at 11 kv. .	20,000	65,737,800	68,848,200
Gatineau Power Co.—60-cycle delivery to Treadwell* .....	350	369,000	474,400
M. F. Beach Estate .....	500	1,698,400	1,702,000
Rideau Power Co. ....	400	1,840,400	1,887,200
Campbellford Water & Light Commission .....	800	3,722,900	5,577,100
Manitoulin Pulp Co.* .....	300	620,700	756,900
Huronian Co.* .....	150	180,200	313,200
Pembroke Electric Light Co. Ltd.* .....	1,000	No record.	379,200
Orillia Water, Light & Power Commission* .....	490	643,800	802,900
Gananoque Light, Heat & Power Co.* .....	175	250,740	296,020
Abitibi Power & Paper Co. ....	.....	317,557	12,886,115
Kaministiquia Power Co.† .....	.....	13,844,320	9,341,760
Fenelon Falls Light, Heat & Power Commission†	.....	5,600	3,600
Welland Ship Canal‡ .....	.....	376,200	644,400
Total purchased .....	702,165	2,706,415,017	3,122,154,225

Power purchased, contract amount, 1940 .....	702,165	horsepower
Maximum normal plant capacity, 1940 .....	1,531,000	“
Total available capacity generated and purchased, 1940 .....	2,233,165	“
Total available capacity generated and purchased, 1939 .....	2,147,110	“
Difference (increase) .....	86,055	“
Total energy purchased, 1940 .....	3,122,154,225	kilowatt-hours
Total energy generated, 1940 .....	6,564,248,196	“
Total energy generated and purchased, 1940 .....	9,686,402,421	“
Total energy generated and purchased, 1939 .....	8,501,894,632	“
Difference (increase) .....	1,184,507,789	“

\*Purchased for delivery to remote rural power districts.

†Purchased on kilowatt-hour basis.

‡Emergency use.

**CAUTION:** The figures for “Maximum normal plant capacity” reflect the capacity of the various plants under the most favourable operating conditions which can reasonably be considered as normal, taking into consideration turbine capacity as well as generator capacity, and also the net operating head and available water supply.

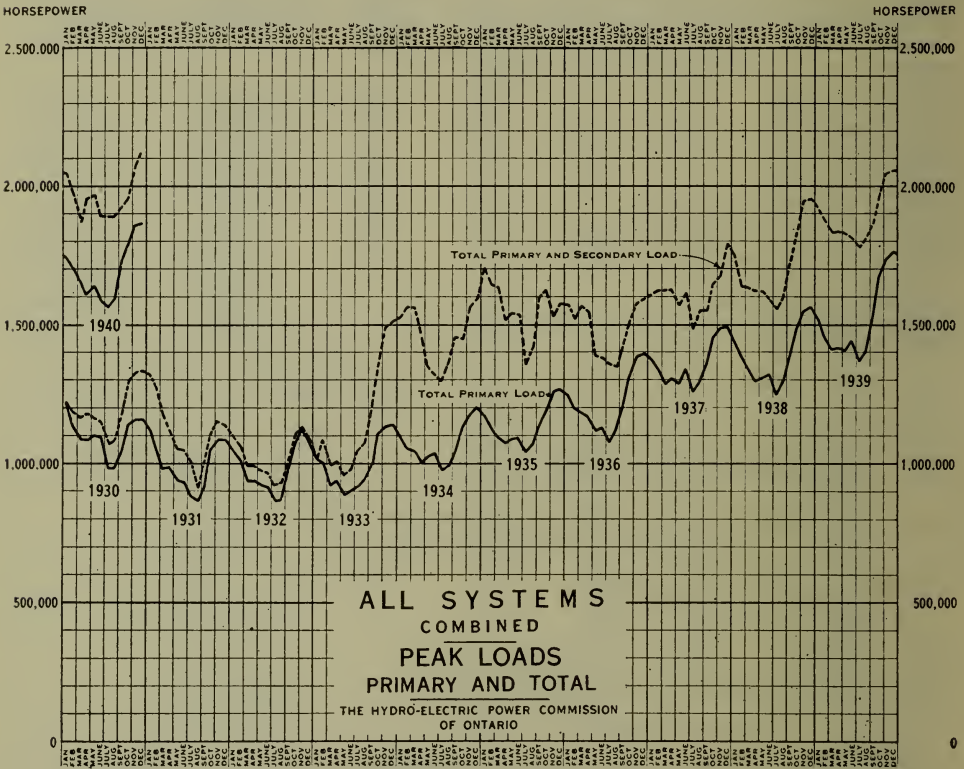
Owing, among other things, to changes in generating equipment due to wear and tear or the replacement of parts, also to changes in limitations governing water levels and effective net heads, the maximum normal plant capacity is not a fixed quantity but is one which must be revised from time to time.

It is particularly important to bear in mind that the column headed “Maximum normal plant capacity” cannot be taken as an indication of the dependable capacity of the various plants: in some cases it is, but in many cases it is not. Chief among the factors which govern the maximum dependable capacity of an hydraulic power plant and which are not reflected in column headed “Maximum normal plant capacity” are abnormal variations in water supply and operating limitations encountered when plants are so situated on a given stream as to be affected by one another.



the substantial growth of recent years has continued, the total primary peak load rising from 168,000 horsepower in October, 1939, to 202,000 horsepower in October, 1940, an increase of 20.1 per cent, which was about the average increase for the year.

Details regarding the load of each of the co-operative systems and of the several districts of the Northern Ontario Properties are given in the load graphs in this section of the Report.



### Maintenance

All lines, stations and equipment were regularly inspected and maintained in efficient operating condition. Except where special emergencies demanded immediate attention, this work was carried out in accordance with regular schedules undertaken to prevent failures of equipment and service interruptions. The thorough and successful nature of the inspection and preventive maintenance work performed is indicated by the absence of serious failures of equipment. Such damage as was experienced from lightning, sleet and wind was promptly repaired, and a rapidly increasing demand for power was met with few interruptions to service.

### Forestry

The Forestry division continued its regular transmission and rural-line clearing operations to protect the Commission's lines, equipment and service from tree interference.

Reforestation was continued, but confined to replacement plantings on non-revenue producing lands in the Niagara system.

The year's operations involved treatment of 78,300 trees and 1,545 pole spans of underbrush spread over 3,313 miles of power transmission, telephone and rural distribution lines.

Tree clearance was also obtained for approximately 197 miles of line in connection with the construction of new transmission and rural lines and the rehabilitation of certain existing lines. This work necessitated the treatment of 8,400 trees and 107 pole spans of underbrush.

Line-clearing operations were performed for fifteen municipalities. This work involved treatment of 3,800 trees spread over 58 miles of local primary and secondary lines.

## NIAGARA SYSTEM

The total average output of energy on the Niagara system reached the highest level in its history. It exceeded the output in the previous year by 18.1 per cent. Approximately 79 per cent of the total output was supplied for primary power services. Compared with the previous year the average output for primary power purposes was 19.6 per cent greater. In every month the primary peak demand exceeded that of the corresponding month of the previous year. During the first eleven months of the year this increase was of the order of 15 per cent, but in October, when municipal demands were curtailed by the extension of daylight-saving time, the increase dropped to 4.8 per cent.

Capacity in excess of that required for primary services was used to produce approximately 1,540,000,000 kilowatt-hours for delivery to the secondary power market. This represented about 21 per cent of the total energy output.

Operation of the transmission lines was very favourable throughout the year. Interruptions to service caused by lightning, sleet and gales were relatively few, and little damage was done to lines or equipment. On the 220,000-volt lines supplying power from Eastern sources there was only one complete interruption during the year.

In general, the Niagara river plants, together with the available supply from Eastern power sources, have been operated to obtain the greatest possible amount of power and energy. Practically no trouble was experienced from ice conditions in the Niagara river during the winter. On one occasion,



January 14, a large ice jam formed in the lower river which resulted in a reduction in the output of the Ontario Power plant of some 25,000 horsepower for the greater part of one day. Assistance was given to the Niagara Hudson Power Corporation between January 19 and 23, when the output of the Schoelkopf plant was reduced by ice at the intake.

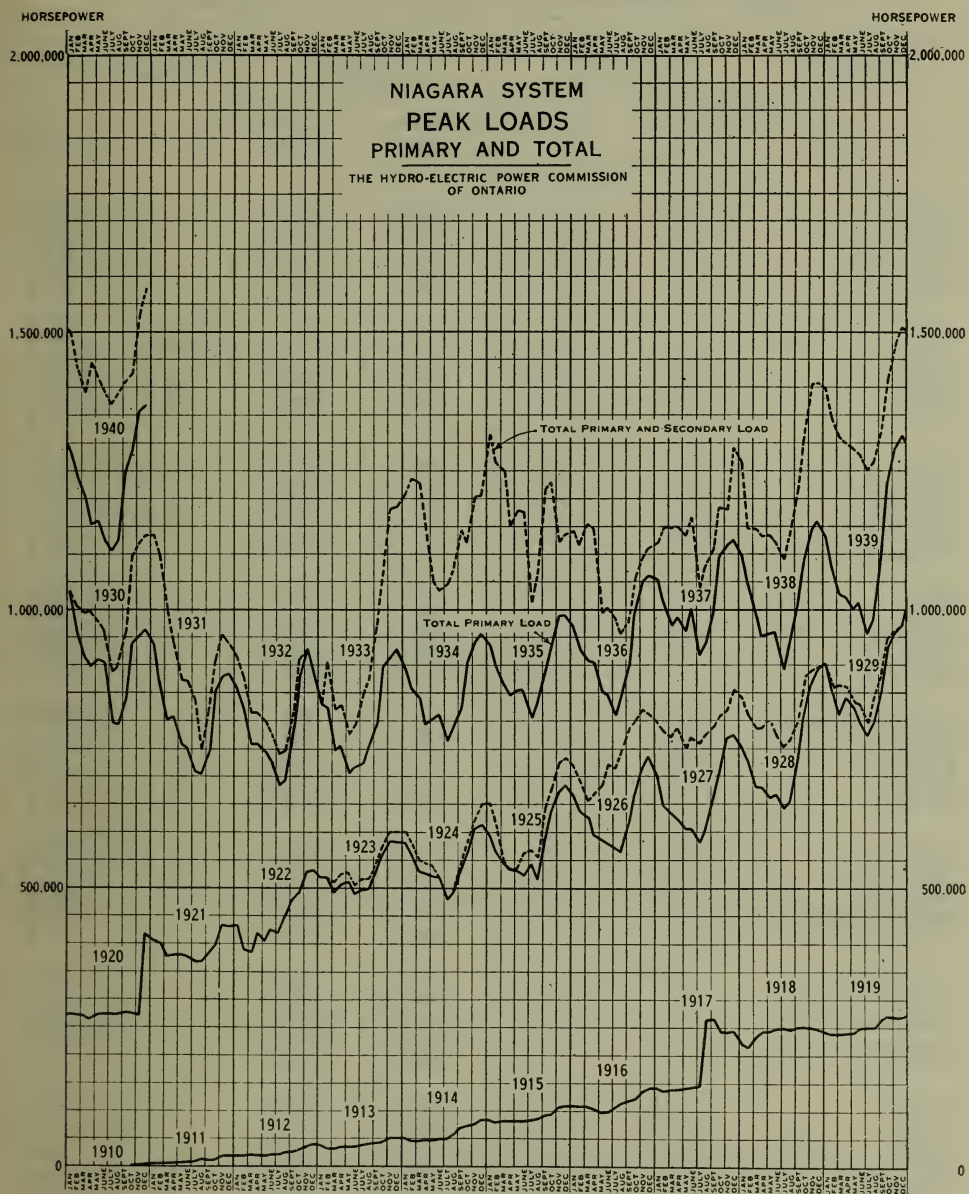
The output of the two units at the Canadian Niagara Power Company's plant reserved for the Commission's use was available to the Niagara system throughout the year. There were no deficiencies in this supply, and all the power and energy to which the Commission was entitled under the terms of the power agreement was delivered.

Except for No. 2 unit, which was out of service for four months for complete overhaul, all units at the Chats Falls generating station were available for operation throughout the year. During the spring run-off, when the Ottawa river flow was in excess of that required to generate full power delivery under the terms of the Ottawa Valley Power Company agreement, the Chats Falls generating station was operated to a maximum in order to utilize as much of the river flow as possible. Natural flow conditions on the Ottawa river drainage basin were below normal during the winter of 1939-40, and although the freshet peaks did not approach those of a normal year, river flow and storage conditions at the close of the year were above average.

The frequency-changer set at Chats Falls generating station was available as a reserve source of supply for the Eastern Ontario system during the year. On a few occasions it assisted in carrying the Eastern Ontario system's primary peak load. In November, 1939, it was used extensively to transfer power for secondary use on the Eastern Ontario system, and for the same purpose occasionally thereafter until August 3, 1940, when the set was operated at part capacity to supply a portion of the export load at Massena, New York.

The DeCew Falls generating station operated to use all the water available during the year. On August 27, diversion from the Welland canal was increased by 330 cubic feet per second under a supplemental lease with the Department of Transport. Load demands on the Dominion Power and Transmission division, in excess of the capacity available at DeCew Falls generating station, were met by the frequency-changer set at Niagara Falls. This set was available throughout the year except during two short periods in June and August when it was disabled. During these periods the capacity of the Dominion Power and Transmission division was augmented by a supply of power from a generating station of the Department of Transport on the Welland ship canal.

The Hamilton steam station was available as a limited standby reserve for the Dominion Power and Transmission division. No assistance was required from this station during the year. The boiler plant was used for generation of steam for commercial purposes up to the end of March.



On November 1, 1939, an additional 60,000 horsepower became available to the Niagara system from the Gatineau Power Company, completing full delivery under the terms of the power agreement with this Company. By arrangement with the Maclaren-Quebec Power Company the increment of 20,000 horsepower due November 1, 1940, was taken on July 11, at 60 cycles, increasing the total delivery from this Company to 80,000 horsepower.

## NIAGARA SYSTEM—LOADS OF MUNICIPALITIES—1939-40

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Acton.....	1,082.8	1,240.0		157.2
Agincourt.....	230.8	219.3	11.5	
Ailsa Craig.....	126.7	139.9		13.2
Alvinston.....	100.5	116.6		16.1
Amherstburg.....	942.6	984.4		41.8
Ancaster Township.....	447.9	411.2	36.7	
Arkona.....	58.8	68.5		9.7
Aurora.....	1,325.7	1,310.3	15.4	
Aylmer.....	873.7	848.1	25.6	
Ayr.....	236.3	243.7		7.4
Baden.....	368.0	364.2	3.8	
Beachville.....	520.6	567.8		47.2
Beamsville.....	441.4	426.3	15.1	
Belle River.....	179.1	180.6		1.5
Blenheim.....	604.3	624.4		20.1
Blyth.....	140.4	154.5		14.1
Bolton.....	190.3	221.5		31.2
Bothwell.....	146.0	156.7		10.7
Brampton.....	2,932.5	3,143.1		210.6
Brantford.....	17,465.6	17,969.1		503.5
Brantford Township.....	910.2	1,012.1		101.9
Bridgeport.....	144.2	127.1	17.1	
Brigden.....	85.4	89.8		4.4
Bronte.....	219.8	213.9	5.9	
Brussels.....	156.2	173.3		17.1
Burford.....	212.4	257.4		45.0
Burgessville.....	58.3	53.1	5.2	
Burlington.....	1,302.3	1,353.9		51.6
Burlington Beach.....	434.5	510.4		75.9
Caledonia.....	403.6	423.9		20.3
Campbellville.....	38.3	50.4		12.1
Cayuga.....	156.3	156.3		
Chatham.....	6,944.4	7,446.5		502.1
Chippawa.....	319.6	341.8		22.2
Clifford.....	101.5	108.3		6.8
Clinton.....	631.4	642.0		10.6
Comber.....	145.6	150.8		5.2
Cottam.....	85.8	91.1		5.3
Courtright.....	49.7	49.3	0.4	
Dashwood.....	92.3	106.3		14.0
Delaware.....	75.7	80.6		4.9
Delhi.....	781.5	755.0	26.5	
Dorchester.....	126.6	127.9		1.3
Drayton.....	133.1	143.6		10.5
Dresden.....	434.3	474.5		40.2
Drumbo.....	114.3	118.9		4.6
Dublin.....	103.5	118.9		15.4
Dundas.....	2,202.3	2,399.1		196.8
Dunnville.....	1,363.2	1,342.3	20.9	
Dutton.....	266.1	274.7		8.6



## NIAGARA SYSTEM—LOADS OF MUNICIPALITIES—1939-40—Continued

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Elmira.....	769.3	909.1		139.8
Elora.....	412.1	440.9		28.8
Embryo.....	124.9	118.1	6.8	
Erieau.....	175.3	187.7		12.4
Erie Beach.....	45.4	63.3		17.9
Essex.....	495.0	737.9		242.9
Etobicoke Township.....	7,216.0	7,379.1		163.1
Exeter.....	638.1	736.6		98.5
Fergus.....	1,239.9	1,364.6		124.7
Fonthill.....	182.3	190.6		8.3
Forest.....	511.2	561.8		50.6
Forest Hill.....	8,253.4	7,870.6	382.8	
Galt.....	8,906.6	9,685.1		778.5
Georgetown.....	1,587.2	1,686.5		99.3
Glencoe.....	220.4	239.9		19.5
Goderich.....	1,385.1	1,581.4		196.3
Granton.....	74.8	86.3		11.5
Grimsby.....	993.3	862.7	130.6	
Guelph.....	11,016.6	11,231.2		214.6
Hagersville.....	1,018.9	1,121.1		102.2
Hamilton.....	128,241.0	135,555.6		7,314.6
Harriston.....	438.9	403.0	35.9	
Harrow.....	589.8	616.5		26.7
Hensall.....	243.6	245.4		1.8
Hespeler.....	2,594.8	2,768.8		174.0
Highgate.....	94.1	100.4		6.3
Humberstone.....	556.7	597.9		41.2
Ingersoll.....	2,677.7	2,856.8		179.1
Jarvis.....	202.4	230.6		28.2
Kingsville.....	736.7	766.5		29.8
Kitchener.....	23,460.0	24,811.2		1,351.2
Lambeth.....	150.1	149.9	0.2	
La Salle.....	261.7	226.6	35.1	
Leamington.....	2,599.0	2,296.4	302.6	
Listowel.....	1,182.3	1,334.4		152.1
London.....	39,901.5	41,310.6		1,409.1
London Township.....	596.0	630.0		34.0
Long Branch.....	1,145.8	1,113.5	32.3	
Lucan.....	219.3	221.3		2.0
Lynden.....	101.5	124.4		22.9
Markham.....	383.5	387.4		3.9
Merlin.....	109.1	125.3		16.2
Merritton.....	6,118.3	7,314.0		1,195.7
Milton.....	1,188.1	1,414.9		226.8
Milverton.....	361.9	389.1		27.2
Mimico.....	2,819.0	2,686.3	132.7	
Mitchell.....	641.8	717.4		75.6
Moorefield.....	39.2	40.5		1.3
Mount Brydges.....	109.6	115.8		6.2
Newbury.....	41.8	42.9		1.1



## NIAGARA SYSTEM—LOADS OF MUNICIPALITIES—1939-40—Continued

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
New Hamburg.....	580.7	631.6	.....	50.9
Newmarket.....	1,769.4	1,831.4	.....	62.0
New Toronto.....	8,835.7	10,436.5	.....	1,600.8
Niagara Falls.....	10,798.9	11,686.3	.....	887.4
Niagara-on-the-Lake.....	789.5	930.3	.....	140.8
Norwich.....	461.1	431.6	29.5	.....
Oakville.....	1,319.0	1,075.1	243.9	.....
Oil Springs.....	223.4	218.8	4.6	.....
Otterville.....	143.4	172.1	.....	28.7
Palmerston.....	576.4	591.0	.....	14.6
Paris.....	1,754.8	1,795.9	.....	41.1
Parkhill.....	185.3	211.0	.....	25.7
Petrolia.....	1,185.2	1,212.1	.....	26.9
Plattsville.....	102.9	105.4	.....	2.5
Point Edward.....	1,275.7	1,491.5	.....	215.8
Port Colborne.....	2,091.1	2,230.6	.....	139.5
Port Credit.....	922.5	822.0	100.5	.....
Port Dalhousie.....	912.9	1,057.0	.....	144.1
Port Dover.....	475.2	515.1	.....	39.9
Port Rowan.....	101.7	104.6	.....	2.9
Port Stanley.....	1,021.2	1,120.9	.....	99.7
Preston.....	3,307.1	3,504.3	.....	197.2
Princeton.....	131.0	143.3	.....	12.3
Queenston.....	148.4	172.4	.....	24.0
Richmond Hill.....	482.8	487.1	.....	4.3
Ridgetown.....	636.5	658.0	.....	21.5
Riverside.....	1,079.0	1,226.7	.....	147.7
Rockwood.....	127.8	128.4	.....	0.6
Rodney.....	203.6	196.2	7.4	.....
St. Catharines.....	16,106.2	21,407.5	.....	5,301.3
St. Clair Beach.....	118.0	106.5	11.5	.....
St. George.....	135.9	150.7	.....	14.8
St. Jacobs.....	378.3	331.1	47.2	.....
St. Marys.....	1,587.6	1,650.1	.....	62.5
St. Thomas.....	8,471.8	8,433.0	38.8	.....
Sarnia.....	9,135.3	10,386.6	.....	1,251.3
Scarboro Township.....	4,282.6	4,244.2	38.4	.....
Seaforth.....	621.2	635.1	.....	13.9
Simcoe.....	2,927.6	2,752.7	174.9	.....
Smithville.....	296.0	250.7	45.3	.....
Springfield.....	64.3	75.2	.....	10.9
Stamford Township.....	2,518.9	2,724.7	.....	205.8
Stoney Creek.....	246.2	217.7	28.5	.....
Stouffville.....	272.1	309.5	.....	37.4
Stratford.....	7,843.8	8,284.9	.....	441.1
Strathroy.....	1,428.9	1,463.9	.....	35.0
Streetsville.....	177.6	191.9	.....	14.3
Sutton.....	428.5	429.1	.....	0.6
Swansea.....	3,270.8	3,368.0	.....	97.2
Tavistock.....	649.3	685.5	.....	36.2

## NIAGARA SYSTEM—LOADS OF MUNICIPALITIES—1939-40—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Tecumseh.....	419.8	548.8	.....	129.0
Thamesford.....	225.2	235.6	.....	10.4
Thamesville.....	255.8	250.4	5.4	.....
Thedford.....	150.9	138.8	12.1	.....
Thorndale.....	77.0	85.3	.....	8.3
Thorold.....	2,557.6	2,674.9	.....	117.3
Tilbury.....	584.4	796.2	.....	211.8
Tillsonburg.....	1,498.7	1,456.7	42.0	.....
Toronto.....	383,536.2	379,541.5	3,994.7	.....
Toronto Township.....	2,858.7	2,679.3	179.4	.....
Trafalgar Township, Area No. 1.....	501.7	481.9	19.8	.....
Trafalgar Township, Area No. 2.....	140.6	130.5	10.1	.....
Wallaceburg.....	2,629.0	2,786.9	.....	157.9
Wardsville.....	41.0	44.8	.....	3.8
Waterdown.....	258.2	234.0	24.2	.....
Waterford.....	498.7	513.9	.....	15.2
Waterloo.....	4,269.4	4,573.7	.....	304.3
Watford.....	324.1	390.6	.....	66.5
Welland.....	6,587.1	10,983.9	.....	4,396.8
Wellesley.....	126.0	135.1	.....	9.1
West Lorne.....	141.8	205.6	.....	63.8
Weston.....	3,981.2	4,358.7	.....	377.5
Wheatley.....	198.7	194.1	4.6	.....
Windsor.....	41,658.2	48,461.5	.....	6,803.3
Woodbridge.....	553.6	617.4	.....	63.8
Woodstock.....	7,533.5	7,989.3	.....	455.8
Wyoming.....	70.0	94.1	.....	24.1
York Township—East.....	8,335.8	8,351.7	.....	15.9
York Township—North.....	5,624.6	6,669.4	.....	1,044.8
Zurich.....	114.6	122.5	.....	7.9

NOTE: The yearly peak demands of the individual municipal Hydro utilities and also of the rural power districts do not all occur during the same month of the year nor, for any given municipality or rural power district, do they always occur in the same month in successive years; in nearly all cases however the yearly peak occurs during the second half of the calendar year. For this reason a comparison of the peaks occurring during the second half of the year as shown in the tables of this Section shows most satisfactorily the general trend of the local loads.

## NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS—1939-40

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Acton.....	25.0	25.0	.....	.....
Ailsa Craig.....	85.5	101.7	.....	16.2
Alvinston.....	47.6	36.0	11.6	.....
Amherstburg.....	998.1	1,164.7	.....	166.6
Aylmer.....	878.6	942.1	.....	63.5

## NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS—1939-1940—Continued

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Ayr.....	75.0	81.5		6.5
Baden.....	753.0	842.4		89.4
Beamsville.....	1,858.8	2,040.1		181.3
Belle River.....	462.0	455.1	6.9	
Blenheim.....	338.9	359.7		20.8
Bond Lake.....	1,849.5	1,878.0		28.5
Bothwell.....	412.3	432.7		20.4
Brampton.....	300.6	338.6		38.0
Brant.....	1,145.3	1,594.5		449.2
Brigden.....	112.6	119.4		6.8
Burford.....	310.5	368.2		57.7
Caledonia.....	810.7	987.6		176.9
Chatham.....	997.6	1,071.1		73.5
Chippawa.....	195.2	188.7	6.5	
Clinton.....	290.6	308.6		18.0
Delaware.....	599.9	665.2		65.3
Dorchester.....	716.9	843.4		126.5
Dresden.....	170.3	202.8		32.5
Drumbo.....	330.2	353.4		23.2
Dundas.....	1,046.1	1,150.2		104.1
Dunnville.....	144.2	439.4		295.2
Dutton.....	288.3	263.9	24.4	
Elmira.....	135.9	153.4		17.5
Elora.....	282.2	332.9		50.7
Essex.....	458.5	575.3		116.8
Exeter.....	928.5	1,000.2		71.7
Forest.....	175.6	227.6		52.0
Galt.....	383.4	453.9		70.5
Georgetown.....	286.7	344.6		57.9
Goderich.....	209.4	687.4		478.0
Grantham.....	837.1	941.8		104.7
Guelph.....	766.2	811.4		45.2
Haldimand.....	568.3	1,066.6		498.3
Harriston.....	52.0	55.5		3.5
Harrow.....	1,148.6	1,079.6	69.0	
Ingersoll.....	765.2	925.1		159.9
Jordan.....	545.6	533.1	12.5	
Keswick.....	1,557.0	1,687.9		130.9
Kingsville.....	1,494.3	1,502.0		7.7
Listowel.....	417.6	489.3		71.7
London.....	2,757.8	3,055.6		297.8
Lucan.....	186.4	199.8		13.4
Lynden.....	312.4	370.6		58.2
Markham.....	935.0	946.1		11.1
Merlin.....	317.2	329.2		12.0
Milton.....	312.6	413.7		101.1
Milverton.....	196.5	234.7		38.2
Mitchell.....	411.9	509.4		97.5
Newmarket.....	539.8	587.2		47.4
Niagara.....	955.7	955.9		0.2



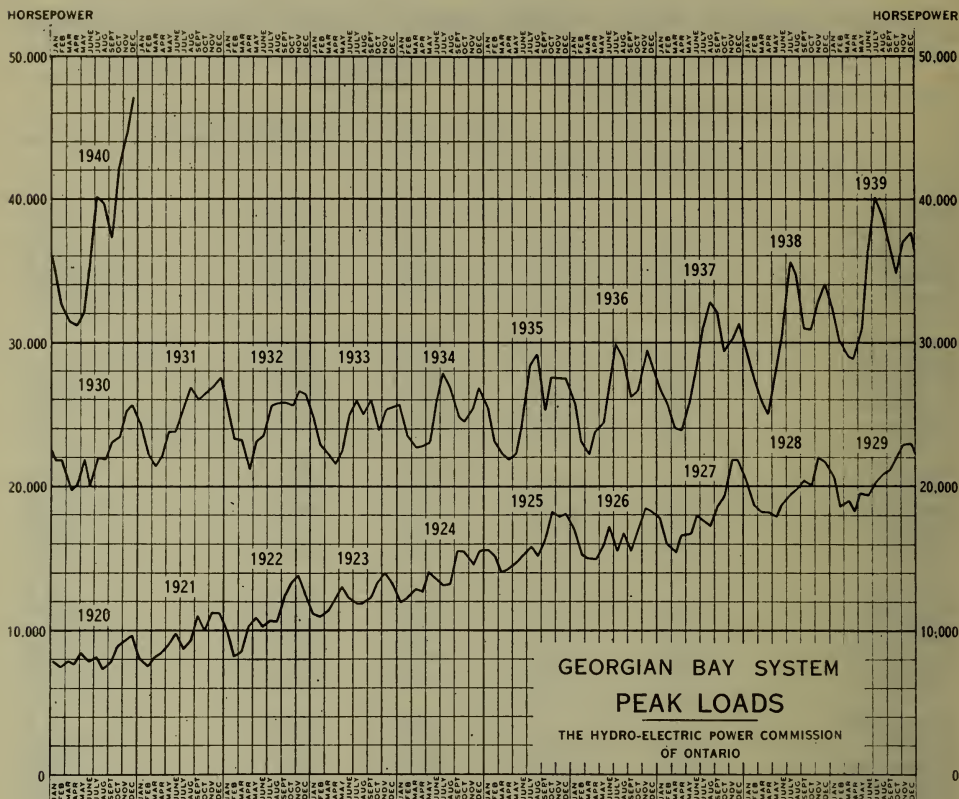
**NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS—1939-1940—Concluded**

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Norwich.....	710.3	755.8		45.5
Oil Springs.....	117.0	160.6		43.6
Palmerston.....	149.5	185.3		35.8
Petrolia.....	121.0	138.7		17.7
Preston.....	1,695.2	1,871.1		175.9
Ridgetown.....	679.5	677.0	2.5	
St. Jacobs.....	487.9	479.8	8.1	
St. Marys.....	700.1	799.0		98.9
St. Thomas.....	1,379.4	2,255.4		876.0
Saltfleet.....	1,802.9	1,741.0	61.9	
Sandwich.....	1,602.9	1,984.6		381.7
Sarnia.....	1,153.0	1,280.6		127.6
Scarboro.....	945.4	968.9		23.5
Seaforth.....	95.7	101.4		5.7
Simcoe.....	655.3	694.3		39.0
Stamford.....	266.2	305.6		39.4
Stratford.....	352.5	376.6		24.1
Strathroy.....	305.6	359.6		54.0
Streetsville.....	698.4	701.2		2.8
Tavistock.....	499.0	533.9		34.9
Thamesville.....	266.0	281.6		15.6
Tilbury.....	340.5	492.7		152.2
Tillsonburg.....	829.5	843.1		13.6
Wallaceburg.....	411.9	470.3		58.4
Walsingham.....	894.6	881.8	12.8	
Walton.....	255.8	270.9		15.1
Waterdown.....	1,675.2	1,619.7	55.5	
Waterford.....	553.3	600.0		46.7
Watford.....	126.1	181.2		55.1
Welland.....	1,920.5	2,165.7		245.2
Woodbridge.....	1,165.8	1,441.8		276.0
Woodstock.....	1,108.9	1,342.2		233.3

**GEORGIAN BAY SYSTEM**

The total energy output of the Georgian Bay system exceeded that of the previous year by 14.6 per cent. There was, however, practically no growth in peak load until the month of October when a munition plant, which went into production about the middle of September, gradually increased its demand until by the end of the year about 4,000 horsepower, of an ultimate demand of 5,000 horsepower, was being taken. The October peak load was 42,217 horsepower, exceeding all previous records and exceeding that of October, 1939, by 21.5 per cent. Lack of peak growth during the summer months, when demands on this system are usually at a maximum, indicates the saving that can be made in bulk power supply by the adoption of daylight-saving time in parts of the area served. On the Georgian Bay system, in the summer of 1940, twelve municipalities adopted daylight-saving time. This advanced the time of the municipal peaks in those communities





one hour, with the result that although there was a substantial growth in the individual municipal loads during the summer, the diversity caused by changing the times of the peak loads in those twelve municipalities was sufficient to permit serving the whole system with practically no increase in system load.

From about the first of December, 1939, until the commencement of the spring run-off in April, 1940, river flows on this system were considerably below normal, necessitating a comparatively large transfer of power from the Niagara system during this period. All storage reservoirs were filled early in June, and, with heavy rainfall in August and September, stream flow conditions at the end of the year were well above normal. During the year 21,968,000 kilowatt-hours were transferred to this system from the Niagara system, representing about 15 per cent of the total Georgian Bay system requirements.

Assistance was given the Orillia Water, Light and Power Commission to the extent of 1,850,000 kilowatt-hours, chiefly during the period of November 28, 1939, to April 2, 1940, because of low water conditions at their plants.

There were no serious interruptions of power service during the year.

In order to provide additional capacity for the Georgian Bay system, a second frequency-changer set of 7,500 horsepower capacity was installed at Hanover and placed in service on June 19, 1940.

## GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES—1939-1940

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Alliston.....	355.7	404.5		48.8
Arthur.....	183.2	183.8		0.6
Bala.....	359.0	354.4	4.6	
Barrie.....	3,931.0	4,156.0		225.0
Beaverton.....	338.1	332.1	6.0	
Beeton.....	100.4	157.1		56.7
Bradford.....	202.1	240.8		38.7
Brechin.....	78.7	96.3		17.6
Cannington.....	196.2	225.3		29.1
Carlsruhe.....	5.0	5.0		
Chatsworth.....	86.4	88.3		1.9
Chesley.....	600.3	636.1		35.8
Coldwater.....	367.9	144.1	223.8	
Collingwood.....	1,694.2	2,090.3		396.1
Cookstown.....	82.6	89.6		7.0
Creemore.....	146.4	170.4		24.0
Dundalk.....	258.5	290.9		32.4
Durham.....	398.5	427.0		28.5
Elmvale.....	226.2	192.2	34.0	
Elmwood.....	74.3	88.2		13.9
Flesherton.....	89.6	91.6		2.0
Grand Valley.....	164.1	148.7	15.4	
Gravenhurst.....	1,037.9	1,254.5		216.6
Hanover.....	1,202.9	1,352.1		149.2
Hepworth.....	32.8	32.8		
Holstein.....	20.1	25.2		5.1
Huntsville.....	1,255.8	1,276.4		20.6
Kincardine.....	753.4	818.1		64.7
Kirkfield.....	28.0	26.0	2.0	
Lucknow.....	270.8	308.4		37.6
MacTier.....	149.0	157.0		8.0
Markdale.....	235.5	202.5	33.0	
Meaford.....	622.6	701.6		79.0
Midland.....	3,481.7	4,040.6		558.9
Mildmay.....	135.7	143.8		8.1
Mount Forest.....	608.4	624.9		16.5
Neustadt.....	49.3	45.5	3.8	
Orangeville.....	781.7	719.0	62.7	
Owen Sound.....	4,567.8	5,249.6		681.8
Paisley.....	145.2	158.4		13.2
Penetang.....	874.8	925.5		50.7
Port Carling.....	299.0	300.0		1.0
Port Elgin.....	506.9	529.1		22.2
Port McNicoll.....	104.7	104.7		
Port Perry.....	315.5	302.7	12.8	
Priceville.....	10.0	10.0		
Ripley.....	96.8	94.8	2.0	
Rosseau.....	53.6	55.3		1.7
Shelburne.....	262.7	307.2		44.5
Southampton.....	440.4	494.5		54.1

## GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES—1939-40—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Stayner .....	332.5	322.2	10.3	
Sunderland .....	95.2	91.1	4.1	
Tara .....	114.1	125.7		11.6
Teeswater .....	173.3	184.2		10.9
Thornton .....	40.3	39.4	0.9	
Tottenham .....	99.4	87.2	12.2	
Uxbridge .....	341.7	368.1		26.4
Victoria Harbour .....	87.2	91.7		4.5
Walkerton .....	820.2	837.3		67.1
Waubauskene .....	161.9	167.6		5.7
Warton .....	463.2	396.5	66.7	
Windermere .....	104.8	96.2	8.6	
Wingham .....	532.2	616.7		84.5
Woodville .....	93.0	103.4		10.4

## GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS—1939-40

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Alliston .....	192.7	208.8		16.1
Arthur .....	27.5	65.8		38.3
Bala .....	554.0	613.8		59.8
Barrie .....	781.1	837.9		56.8
Baysville .....	225.9	252.5		26.6
Beaumaris .....	677.3	647.9	29.4	
Beaverton .....	462.5	498.7		36.2
Beeton .....	5.0	5.0		
Bradford .....	106.2	145.6		39.4
Bruce .....	430.5	439.8		9.3
Buckskin .....	30.7	36.0		5.3
Cannington .....	110.5	126.1		15.6
Chatsworth .....	30.2	30.9		0.7
Cookstown .....	4.5	5.0		0.5
Creemore .....	146.0	184.8		38.8
Dundalk .....	39.1	46.8		7.7
Elmvale .....	117.0	132.0		15.0
Flesherton .....	52.7	68.3		15.6
Gravenhurst .....	98.5	123.9		25.4
Hawkestone .....	257.4	300.3		42.9
Holstein .....	23.5	24.4		0.9
Huntsville .....	377.3	369.0	8.3	
Innisfil .....	944.6	1,054.4		109.8
Kirkfield .....	46.0	54.5		8.5
Lucknow .....	25.0	25.9		0.9



**GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS—1939-1940**  
—Concluded

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Mariposa.....	271.0	286.9	.....	15.9
Markdale.....	62.0	76.2	.....	14.2
Meaford.....	157.9	191.7	.....	33.8
Medonte.....	255.4	319.5	.....	64.1
Midland.....	526.6	611.6	.....	85.0
Minden.....	147.0	190.3	.....	43.3
Mount Forest.....	24.8	28.8	.....	4.0
Neustadt.....	54.6	96.2	.....	41.6
Nottawasaga.....	61.4	74.9	.....	13.5
Orangeville.....	167.7	215.6	.....	47.9
Owen Sound.....	145.9	163.6	.....	17.7
Port Perry.....	286.6	301.9	.....	15.3
Ripley.....	128.8	176.2	.....	47.4
Sauble.....	126.5	196.9	.....	70.4
Shelburne.....	51.6	76.3	.....	24.7
South Falls.....	18.0	30.0	.....	12.0
Sparrow Lake.....	406.7	436.7	.....	30.0
Tara.....	155.7	172.8	.....	17.1
Thornton.....	26.2	36.5	.....	10.3
Tottenham.....	31.5	32.5	.....	1.0
Utterson.....	272.6	264.9	7.7	.....
Uxbridge.....	169.4	199.3	.....	29.9
Wasaga Beach.....	952.6	1,109.7	.....	157.1
Wroxeter.....	226.6	277.4	.....	50.8

### EASTERN ONTARIO SYSTEM

The primary load on the Eastern Ontario system, which started to show a substantial increase near the close of the previous year, continued at a high rate of increase throughout the current year. The primary peak occurred in September, and amounted to 155,174 horsepower. It exceeded all recorded maxima and was 9.3 per cent greater than the primary peak of the previous year. The extension of daylight-saving time to the winter months did not produce any appreciable saving on the peak load of this system. The total primary energy, which amounted to 562,238,265 kilowatt-hours, represented an increase of 13.5 per cent over the previous year.

Secondary energy, amounting to a total of 77,251,800 kilowatt-hours, was delivered to the steam generator at the Howard Smith Paper Mills between November 1, 1939, and August 3, 1940, when this delivery was discontinued in order to provide transmission facilities for the supply of 40,000 horsepower, via Cornwall, to the Aluminum Company of America at Massena, New York. Of the above amount 60,700,000 kilowatt-hours were supplied direct from the Eastern Ontario system generating and purchase sources, and the balance by transfer from the Niagara system. In addition, a small amount of secondary energy was supplied to the Aluminum Company of Canada at Kingston. Following August 3, to the end of the fiscal year,



such surplus energy as was available on the Eastern Ontario system, amounting in all to approximately 7,200,000 kilowatt-hours, was in effect transferred to the Niagara system for disposal in the secondary power market of that system.

The system's power resources, including generating capacity and power purchased under contract, were in general sufficient to meet all primary demands. However, on a few occasions in September and October it was necessary to call on the Niagara system for assistance to meet the system's primary peak demand, and on one occasion, January 17, it was necessary to call for the operation of the frequency-changer station at Chats Falls in order to augment the Central Ontario district generating sources when trouble developed on the Kingston-Belleville tie line.

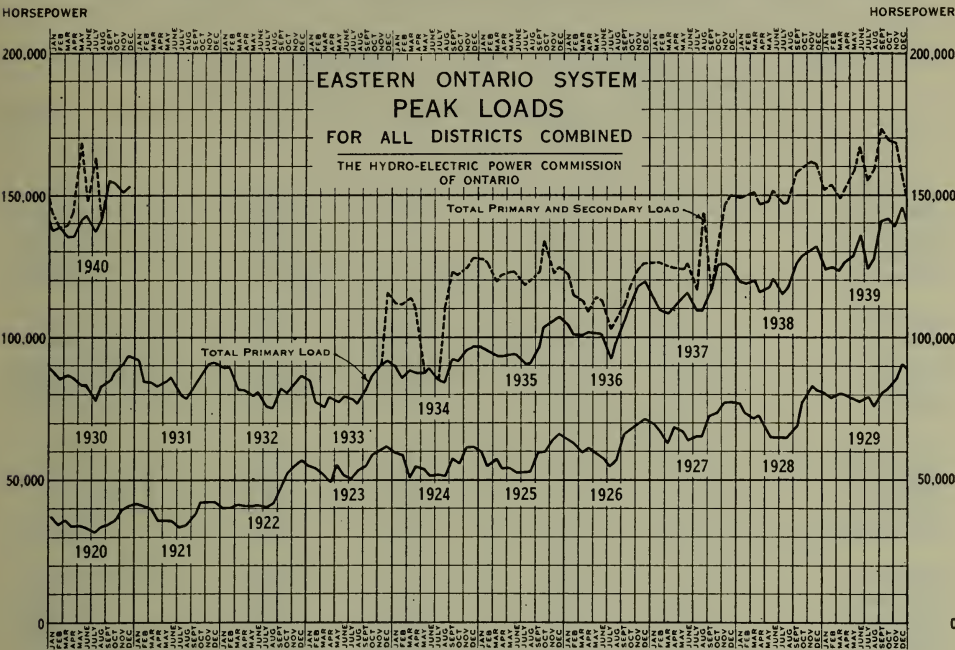
There were no serious interruptions to service of any customer on this system during the year.

Stream flow conditions on the rivers in the Eastern Ontario system were considerably below normal up to the spring run-off due to the lack of the usual amount of precipitation in the fall of 1939. The spring break-up came later than usual, and the run-off during the freshet period was less than in a normal year. However, precipitation following the freshet period averaged well above the normal expectancy, and storage reserves were conserved against anticipated heavier power demand in the fall and winter.

Valuable assistance was rendered at times during the year to the local systems of the Rideau Power Company, corporation of Fenelon Falls, Campbellford Water and Light Commission and the municipality of Renfrew, when the output of their own generating facilities was restricted by conditions beyond their control.

During the year new transmission lines were placed in service to safeguard present supplies, and provide service for new customers. On November 3, 1939, a 44,000-volt wood-pole line of approximately 2.5 miles in length, providing a second circuit to the Howard Smith Paper Mills from Cornwall transformer station, was placed in service. A 110,000-volt wood-pole line between Ottawa transformer station and Chats Falls generating station, of approximately 30 miles in length, was placed in service on March 27, 1940. This line now makes the full capacity of the Chats Falls frequency-changer station directly available to Ottawa and the eastern portion of the Eastern Ontario system. On February 25, 1940, a new 110,000-volt line was made available to serve the Aluminum Company of Canada's new plant at Kingston from Frontenac transformer station.

On August 3, 1940, a new 110,000-volt wood-pole line of approximately 20 miles in length, extending from the Masson generating station of the Maclaren-Quebec Power Company to Federal junction near Ottawa, was placed in service. This line, together with the transmission facilities of the Maclaren-Quebec Power Company, provides a direct supply of 60-cycle power to the Eastern Ontario system from the High Falls plant of the Maclaren-Quebec Power Company. Provisions under the 25-cycle contract supply to the Niagara system permits the taking of a part of this supply at 60 cycles whenever the Commission so desires. Since August 3, these facilities have been used by the Niagara system to supply a portion of the 40,000 horsepower exported to the Aluminum Company of America at Massena, New York.



EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES—1939-1940

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Alexandria	229.8	241.2	.....	11.4
Apple Hill	55.0	53.1	1.9	.....
Arnprior	1,176.1	1,079.1	97.0	.....
Athens	119.8	133.8	.....	14.0
Bath	52.1	47.6	4.5	.....
Belleville	6,172.4	6,655.3	.....	482.9
Bloomfield	124.4	145.6	.....	21.2
Bowmanville	2,622.6	2,722.1	.....	99.5
Braeside	234.6	281.9	.....	47.3
Brighton	424.7	392.7	32.0	.....
Brockville	3,920.0	4,443.8	.....	523.8
Cardinal	319.5	364.5	.....	45.0
Carleton Place	1,731.9	1,931.2	.....	199.3
Chesterville	293.4	301.9	.....	8.5
Cobden	75.1	83.6	.....	8.5
Cobourg	2,104.4	2,357.2	.....	252.8
Colborne	229.8	231.4	.....	1.6
Deseronto	182.6	165.5	17.1	.....
Finch	101.0	116.5	.....	15.5
Frankford	155.8	158.6	.....	2.8

## EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES—1939-1940—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Hastings . . . . .	116.8	116.9		0.1
Havelock . . . . .	188.8	176.0	12.8	
Iroquois . . . . .		301.2		
Kemptville . . . . .	423.7	378.7	45.0	
Kingston . . . . .	10,414.3	11,023.1		608.8
Lakefield . . . . .	319.3	313.0	6.3	
Lanark . . . . .	92.6	94.0		1.4
Lancaster . . . . .	56.8	54.7	2.1	
Lindsay . . . . .	2,817.0	3,386.9		569.9
Madoc . . . . .	213.8	217.7		3.9
Marmora . . . . .	151.1	152.0		.9
Martintown . . . . .	42.2	38.1	4.1	
Maxville . . . . .	118.0	113.4	4.6	
Millbrook . . . . .	97.5	93.3	4.2	
Morrisburg . . . . .	207.4	210.9		3.5
Napanee . . . . .	1,311.1	1,295.8	15.3	
Newburg . . . . .	40.3	46.9		6.6
Newcastle . . . . .	170.3	218.0		47.7
Norwood . . . . .	171.3	178.4		7.1
Omeme . . . . .	183.6	225.7		42.1
Orono . . . . .	97.2	108.0		10.8
Oshawa . . . . .	16,583.1	18,786.2		2,203.1
Ottawa . . . . .	31,344.3	33,585.8		2,241.5
Perth . . . . .	1,572.4	1,633.4		61.0
Peterborough . . . . .	11,805.4	11,143.5	661.9	
Picton . . . . .	1,280.2	1,198.9	81.3	
Port Hope . . . . .	2,145.0	2,430.1		285.1
Prescott . . . . .	1,129.4	1,203.7		74.3
Richmond . . . . .	73.7	74.1		.4
Russell . . . . .	72.8	93.1		20.3
Smiths Falls . . . . .	2,426.7	2,555.5		128.8
Stirling . . . . .	334.4	320.6	13.8	
Trenton . . . . .	3,976.3	4,366.2		389.9
Tweed . . . . .	271.4	343.5		72.1
Warkworth . . . . .	90.5	86.5	4.0	
Wellington . . . . .	254.7	230.2	24.5	
Westport . . . . .	96.8	109.6		12.8
Whitby . . . . .	1,355.2	1,387.7		32.5
Williamsburg . . . . .	180.8	149.1	31.7	
Winchester . . . . .	342.1	378.5		36.4



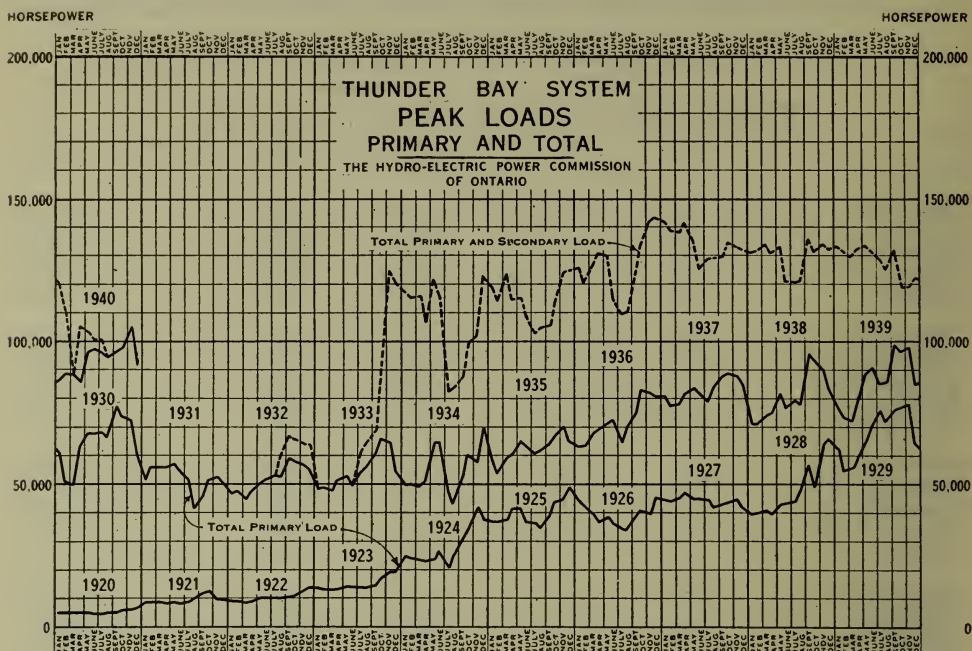
## EASTERN ONTARIO SYSTEM—RURAL POWER DISTRICT LOADS—1939-1940

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Alexandria . . . . .	95.0	125.7		30.7
Arnprior . . . . .	502.5	554.8		52.3
Belleville . . . . .	606.6	676.5		69.9
Bowmanville . . . . .	150.9	172.3		21.4
Brighton . . . . .	30.0	32.8		2.8
Brockville . . . . .	584.7	670.2		85.5
Calabogie . . . . .	67.6	69.7		2.1
Campbellford . . . . .	117.8	152.6		34.8
Carleton Place . . . . .	78.8	86.0		7.2
Chesterville . . . . .	410.8	510.9		100.1
Cobourg . . . . .	547.7	582.3		34.6
Colborne . . . . .	198.0	192.5	5.5	
Cornwall . . . . .	20.0	37.9		17.9
Fenelon Falls . . . . .	419.6	478.1		58.5
Iroquois . . . . .	590.9	361.3	229.6	
Kemptville . . . . .	44.1	48.6		4.5
Kingston . . . . .	882.0	1,225.1		343.1
Lakefield . . . . .	177.6	327.1		149.5
Madoc . . . . .	56.1	76.3		20.2
Marmora . . . . .	12.0	16.0		4.0
Martintown . . . . .	174.2	208.2		34.0
Maxville . . . . .	486.4	541.0		54.6
Millbrook . . . . .	95.2	120.0		24.8
Napanee . . . . .	471.7	546.0		74.3
Nepean . . . . .	1,213.1	1,748.8		535.7
Newcastle . . . . .	110.7	146.3		35.6
Norwood . . . . .	64.3	78.2		13.9
Omeme . . . . .	35.0	35.0		
Oshawa . . . . .	1,447.8	1,464.5		16.7
Pembroke . . . . .	25.0	654.4		629.4
Perth . . . . .	189.8	216.5		26.7
Peterborough . . . . .	799.9	967.9		168.0
Prescott . . . . .	235.0	269.5		34.5
Renfrew . . . . .	130.0	146.1		16.1
Smiths Falls . . . . .	357.0	435.5		78.5
Stirling . . . . .	146.4	169.0		22.6
Sulphide . . . . .	34.0	131.6		97.6
Trenton . . . . .	229.8	268.5		38.7
Warkworth . . . . .	44.2	44.9		.7
Wellington . . . . .	518.4	837.0		318.6
Williamsburg . . . . .	132.4	109.0	23.4	

THUNDER BAY SYSTEM

During the latter part of the summer of 1939, as noted in last year's Annual Report, it became apparent that the inflow to lake Nipigon was below normal and the output of the generating stations on the Nipigon river





was, therefore, limited to an average weekly withdrawal of 8,400 cubic feet per second. As the lake level continued to recede, withdrawal was further reduced late in January, 1940, and since February 5, has been limited to that required for primary load purposes. Consequently there has been a comparatively small amount of energy available this year for the use of the paper mills in the electrical generation of steam. Arrangements, similar to those existing in 1939, were continued during 1940, whereby the paper mills under the control of the Abitibi Power and Paper Company were permitted to obtain secondary power from the Kaministiquia Power Company, a subsidiary of the Abitibi Power and Paper Company, through the Commission's transformers and over the Commission's transmission circuits. After February 1, however, little use was made of these facilities.

The demand for primary power on the Thunder Bay system has, on the average, been 15 per cent greater than in the previous year. However, the primary peak demand was slightly less, falling from 98,934 horsepower in the previous year to 97,855 horsepower. This was due chiefly to the seasonal demand of the grain elevators at Port Arthur and Fort William being lower than usual.

Power service to all customers in this system was well maintained. All generating and transformer stations, and all of the transmission lines have functioned reliably and satisfactorily.

The precipitation on the watershed supplying the Nipigon river plants was 16.94 inches, which is much below average. The elevation of lake Nipigon on October 31, was 849.33 as compared with 850.94 for the same time last year.

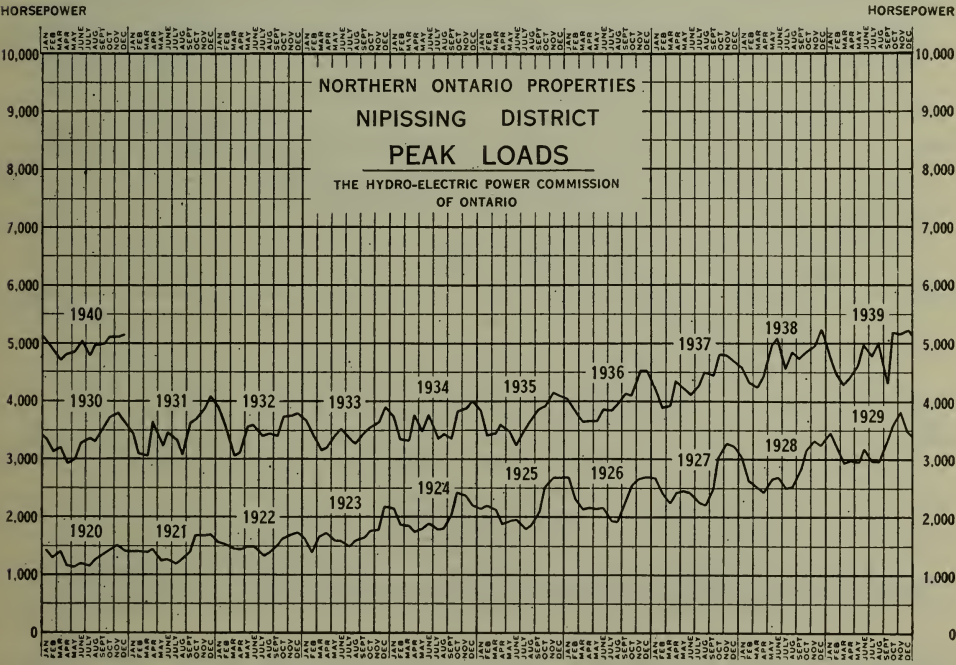
THUNDER BAY SYSTEM—LOADS OF MUNICIPALITIES—1939-1940

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Beardmore.....	131.0	137.3	.....	6.3
Fort William.....	13,597.8	15,194.3	.....	1,596.5
Geraldton.....	551.0	690.3	.....	139.3
Nipigon Township.....	179.9	201.7	.....	21.8
Port Arthur.....	41,481.2	45,384.5	.....	3,903.3

THUNDER BAY SYSTEM—RURAL POWER DISTRICT LOADS—1939-1940

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Thunder Bay.....	437.9	586.0	.....	148.1
Nipigon.....	5.0	6.0	.....	1.0

NORTHERN ONTARIO PROPERTIES



Nipissing District

The maximum 20-minute peak on the Nipissing district was 5,232 horsepower, being slightly smaller than that of the previous year. Energy

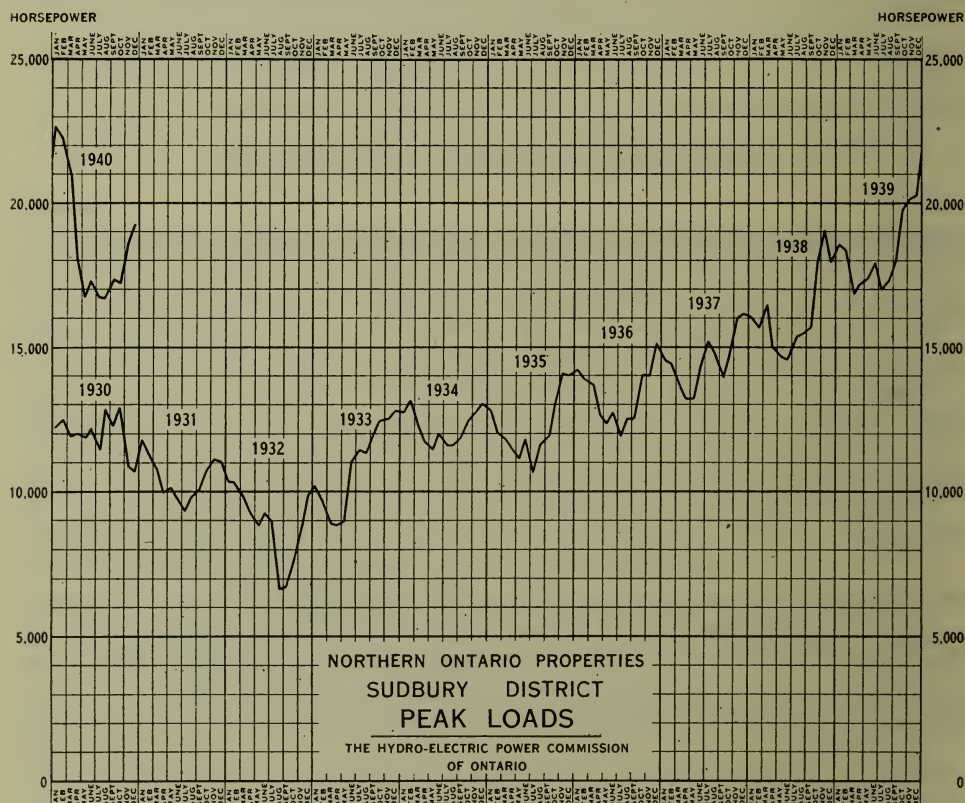
consumption, however, was 7.3 per cent greater. Precipitation on the watershed of the plants supplying the Nipissing district was below normal most of the year, and was even insufficient to fill all storage basins during the spring run-off in April and May. Consequently, from the commencement of the year to April and, also, in July and August, it was necessary to transfer to the district large quantities of power from Crystal Falls generating station in the Sudbury district. Water conditions at the close of the year were satisfactory.

### Manitoulin District

Operating conditions were normal on the Manitoulin district. The peak demand of the district rose from 273 horsepower in October, 1939, to 330 horsepower in October, 1940, due largely to the extension of rural service.

### Sudbury District

The maximum 20-minute peak on the Sudbury district was 22,707 horsepower, exceeding the peak of the previous year by 15 per cent. A con-



siderable portion of this increase resulted from supplying about 2,000 horsepower of temporary power to the Huronian Company in January, February and March, when the Company was short of water at its own plants. Energy consumption during the year exceeded that of the previous year by 4.7 per cent.

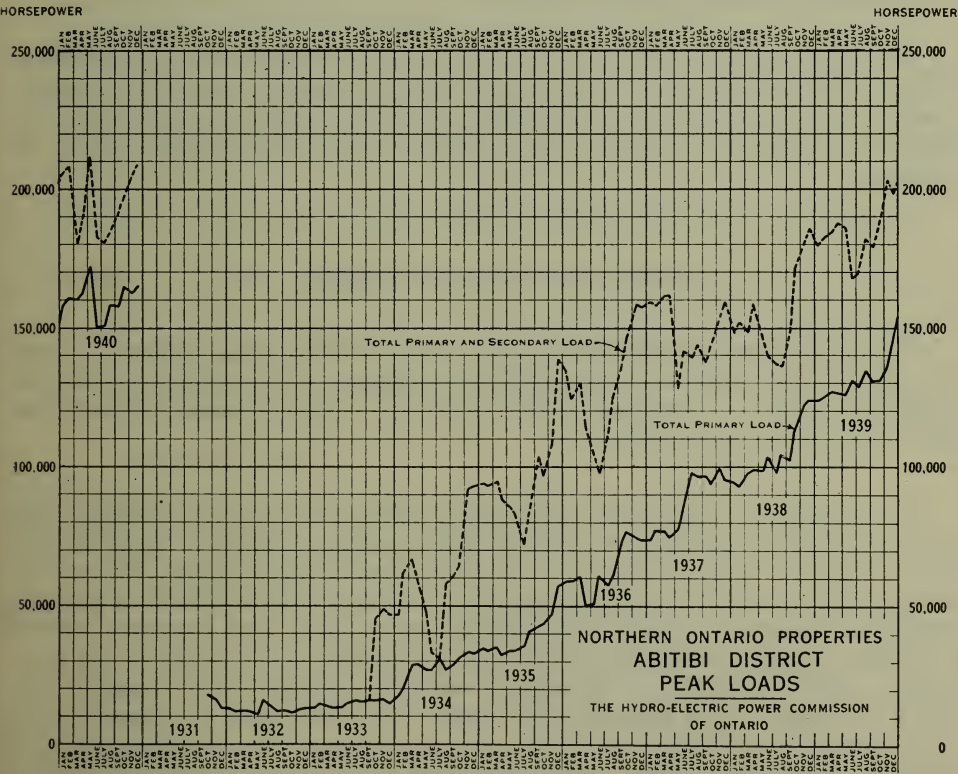


Precipitation was sub-normal on the Wapapitei and Sturgeon river watersheds during the early part of the year. However, storage basins supplying the Sudbury district were completely filled in June following the spring run-off, and river flows for the remainder of the year were maintained satisfactorily.

On March 31, the voltage of the Crystal Falls-Coniston tie line was raised from 22,000 to 110,000 volts following the installation of 8,000-kv-a transformers at both the Crystal Falls and Coniston generating stations. The tie line was re-insulated last year for the higher voltage. This change permits the transfer of the full capacity of Crystal Falls generating station to Coniston, which at 22,000 volts was not heretofore practicable.

Abitibi District

Output of the Abitibi Canyon generating station, as governed by flow and storage conditions on the Abitibi river, was at all times adequate to meet the primary demand in the Abitibi district. The phenomenal growth



experienced in this district for the past several years continued, the primary peak rising from 130,968 horsepower in October, 1939, to 164,879 horsepower in October, 1940, a gain of 25.9 per cent. The average primary load was 24.6 per cent above that of the previous year.



Precipitation in the watershed supplying the Abitibi Canyon generating station was subnormal during the first half of the year, and it became necessary late in November to conserve water storage by curtailing the secondary energy supply to the Smooth Rock Falls station of the Abitibi Power and Paper Company for the electrical generation of steam. Further curtailment of this supply, without curtailing mill production, was arranged early in February by the part-time transfer of certain quantities of power to the Smooth Rock Falls station from the Island Falls generating station of the Abitibi Electrical Development Company. On April 23, with the commencement of the spring run-off, these measures were discontinued as the output of the Abitibi Canyon generating station was then adequate to meet all primary and secondary power demands. All storage basins were filled early in June, and water conditions in this district were satisfactory during the remainder of the year.

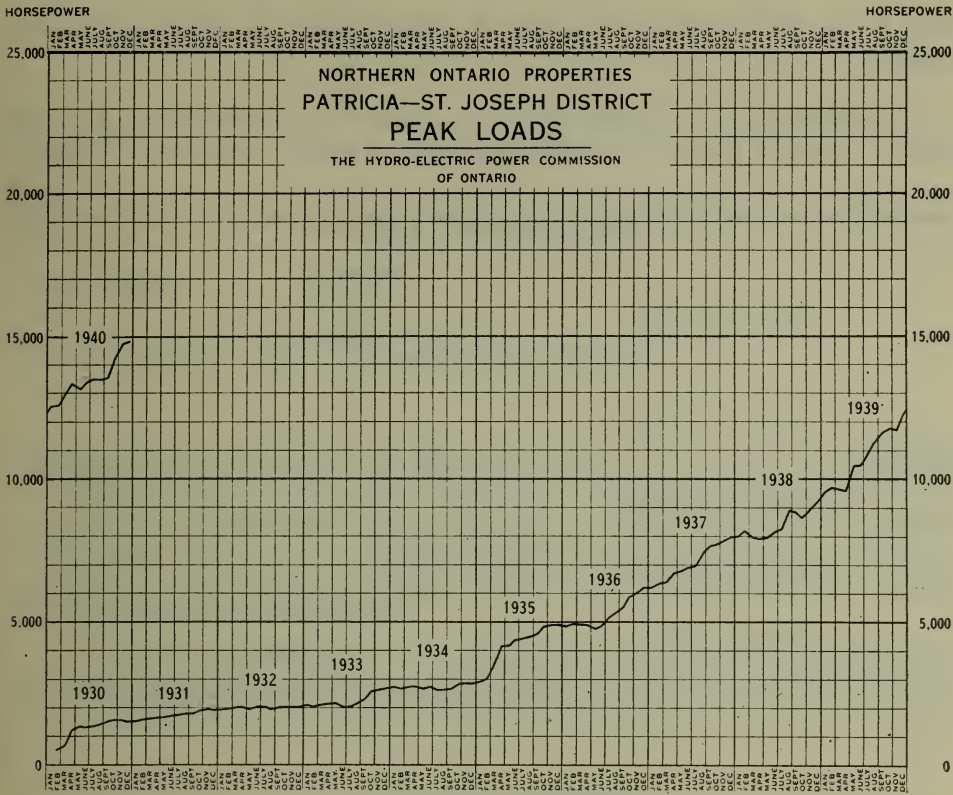
No special difficulties were encountered in the operation of this district during the year. The forebay boom at the Abitibi Canyon generating station broke loose, due to shore ice, and was lost on May 13. It was replaced by a specially designed boom on July 4.

Through the year there were no serious interruptions to customers' services. High-tension oil switches, with suitable relays, which were placed in service at the Timmins transformer station in August, have tended to reduce the number of automatic line outages caused by lightning south of Timmins.

### Patricia-St. Joseph District

The load trend of the Patricia-St. Joseph district was upward during the year. The peak rose from 11,792 horsepower in the previous year to 14,209 horsepower, an increase of 20.5 per cent. Energy consumption in the district was up 31.5 per cent.

To provide for the rapidly increasing load, the capacity available for the Patricia-St. Joseph district was increased early in January, when a third unit was placed in service at the Ear Falls generating station. In general the Ear Falls and Rat Rapids generating stations were operated in parallel throughout the year. Late in the summer, part of the load formerly carried on the Rat Rapids generating station was transferred to the Ear Falls generating station, so that by increasing outflow from lac Seul through this station the level of the English river below Ear Falls could be raised to improve navigation. This transfer of load also reduced the draw-down of the elevation of lake St. Joseph, and maintained more efficient operating conditions for the Rat Rapids plant. Towards the end of the year, the outflow from lac Seul was further increased at the request of the Lake-of-the-Woods Control Board, and the majority of the load of the Patricia-St. Joseph district was then carried by the Ear Falls generating station. Precipitation in the watersheds supplying this district has been below normal, with the result



NORTHERN ONTARIO PROPERTIES—LOADS OF MUNICIPALITIES—1939-1940

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
NIPISSING DISTRICT				
Callander.....	161.1	154.2	6.9	
Nipissing.....	3.0	3.0		
North Bay.....	4,228.3	4,133.2	95.1	
Powassan.....	182.4	148.0	34.4	
SUDBURY DISTRICT				
Capreol.....	211.9	247.2		35.3
Sudbury.....	9,150.3	9,276.7		126.4
ABITIBI DISTRICT				
Hislop Townsite.....	39.1	59.1		20.0
Kearns Townsite.....	111.0	108.8	2.2	
King Kirkland Townsite.....	46.1	46.8		.7
Matachewan Townsite.....	179.6	226.5		46.9
Mooretown Townsite.....	41.0	50.9		9.9
Ramore-Matheson Townsite.....	120.0	137.5		17.5
PATRICIA-ST. JOSEPH DISTRICT				
Hudson Townsite.....	78.7	91.4		12.7
Sioux Lookout.....	289.8	318.5		28.7
Cottage Cove Townsite.....		21.8		
Red Lake Distribution.....	148.0	161.7		13.7

that it has been necessary to draw on storage from lac Seul and lake St. Joseph.

On March 31, a 41-mile section of 44,000-volt transmission line was placed in service from Uchi switching station to supply Jason Gold Mines.

**NORTHERN ONTARIO PROPERTIES—RURAL POWER DISTRICT LOADS—1939-1940**

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
<b>NIPISSING DISTRICT</b>				
North Bay.....	446.1	440.1	6.0	.....
Powassan.....	18.0	77.0	.....	59.0
<b>MANITOULIN DISTRICT</b>				
Manitoulin.....	305.6	386.0	.....	80.4
<b>SUDBURY DISTRICT</b>				
Sudbury.....	324.3	443.7	.....	119.4
<b>ABITIBI DISTRICT</b>				
Connaught.....	.....	138.5	.....	.....

SECTION III

MUNICIPAL WORK

THE Commission acts in an advisory capacity to the municipalities with which it has contracts, and assists the municipal officials to purchase, construct or extend distribution systems. As provided under *The Power Commission Act*, all rate adjustments are approved by the Commission, therefore, a study of the operating conditions of all utilities is made annually and adjustments recommended.

In rural power districts, the Commission on behalf of the township corporations operates the rural power systems and distributes electrical energy to the customers of the respective corporations in all such rural power districts.

NIAGARA SYSTEM

Under the terms of contracts entered into during the fiscal year 1938 the Commission took delivery of the following additional amounts of power from:

	<i>Horsepower</i>
Gatineau Power Company and Gatineau Transmission Company.....	60,000
Maclaren-Quebec Power Company and The James Maclaren Company Limited.....	20,000
Total additional power taken.....	80,000

The municipal load supplied showed an increase of 9.2 per cent in urban municipalities and 11.3 per cent in rural power districts.

Engineering Assistance to Municipalities

General engineering assistance was given to nearly all municipalities of the Niagara system respecting the operation and management of their local Hydro utilities.

Certain municipalities received special engineering advice and assistance respecting matters which are more fully referred to below:



**Agincourt**—Increased load in the police village of Agincourt and in the Scarboro rural power district required a new substation at Agincourt.

**Aylmer**—The distribution system on the main street was rebuilt and enlarged; this involved the removal of the poles and the installation of modern street lighting.

**Bolton**—To provide for increasing loads in Bolton and the surrounding district, formerly fed from Kleinburg, a distribution station was constructed near the south limits of the village.

**East York**—Two distributing stations, numbers 1 and 3, were put into service April 27 to supply power formerly received through the Toronto Hydro-Electric System. The office building is being enlarged.

**Etobicoke Township**—A new distributing station in the Kingsway district was put into service on June 14, to relieve overloading of other stations in the township.

**Forest Hill**—On April 30 the work of enlarging Forest Hill station was completed and all power requirements of the Village supplied from this station, thus terminating the arrangements for a supply from the Toronto Hydro-Electric System.

**Grimsby**—The work of changing over the distribution system for 25-cycle operation was started and it is expected the conversion will be completed in 1941. A new substation of 1,500-kv-a capacity was erected for serving Grimsby and the adjacent rural power district.

**Hamilton**—Owing to a great industrial expansion, additional high-tension station facilities, consisting of two 25,000-kv-a transformers together with the required low-tension feeders were installed. Low-tension tie lines giving duplicate service to existing substation facilities were also constructed.

**Ingersoll**—The distribution system was changed from 2,300 volts delta to 4,000-volt grounded wye system; this involved changes and an increase in capacity in the step-down station receiving 26,400-volt power.

**Kitchener**—Following a study of present and future load requirements, a substantial increase in the Kitchener substation capacity was undertaken. The transformers at substation No. 1 are being replaced with modern equipment; the capacity of substation No. 3 is being doubled, and two new unit-type substations are being designed and will be installed early in 1941.

All transformers are similar, having a normal rating of 3,000 kv-a, or 3,750 kv-a under forced-air cooling. The primary voltage is 13,200 and the secondary 2,300 star connected.

**London**—An additional 3,000 feet of 13,200-volt cable and a new 1,500-kv-a outdoor substation was installed in the east-end industrial section.

**North York Township**—To take care of the normal growth of this municipality, as well as a war industry, a new station was put into service.

**St. Catharines**—Practically all domestic and commercial-lighting customers served by the Lincoln Electric Light and Power Company, Limited, are now served from the 25-cycle system and a large portion of the 66-2/3-cycle distribution system was dismantled.

**St. Thomas**—The main bus in the St. Catharines street substation was rebuilt with heavier conductor with an emergency bus added as well as disconnecting switches on each side on the feeder breakers. Ground relays are to be installed on the two incoming 13,200-volt feeders to operate in conjunction with the 13,200-volt reactor at the St. Thomas transformer station.

**Scarboro Township**—To improve voltage conditions in the south-westerly section of the township and to relieve the load on the main Scarboro stations, a new 1,500-kv-a station was put into service.

**Smithville**—During the year this police village entered into a cost contract with the Commission for a 25-cycle supply. The necessary changes in the distribution system and customers' equipment were made and the municipality is now operating on 25 cycles from a new substation.

**Tillsonburg**—The substation was rehabilitated and modern equipment installed. At the same time provision was made to receive 26,400-volt supply, as the Woodstock high-tension station supply feeder voltage will be changed during the coming year from 13,200 to 26,400 volts.

**Windsor**—A 26,400-volt tie line of 4/0 copper was completed between No. 1 substation Windsor and No. 1 substation Walkerville. This completes an alternative 26,400-volt feed to all the substations in Windsor. Work was commenced on a new 26,400-volt, 4/0 copper feeder from No. 3 substation to Sandwich substation, where the wooden switch structure is being replaced by a modern steel structure.

**Woodstock**—At the Woodstock high-tension station preparations were made for a change in the supply feeder voltage from 13,200 to 26,400 volts.

### GEORGIAN BAY SYSTEM

The total increase in average load sold over the previous year was 10.5 per cent, although the highest twenty-minute peak established was only 5 per cent greater than that of 1939. This variation is due to the adoption and continuation of daylight-saving time in several towns on the system. Otherwise, the increase in the peak load would possibly have been greater than that of the total load sold.

No change occurred in the number of urban municipalities, or rural power districts served by the system during the year, the total being sixty-four of the former, and forty-eight of the latter. The average load sold increased by 9.4 per cent to urban municipalities, by 17.4 per cent in the rural power districts, and by 10.7 per cent for system customers. War industries were responsible for a large increase established near the end of the year by system customers.

General engineering advice and assistance was given to all urban municipalities on the Georgian Bay system in connection with the operation of local distribution systems. Certain municipalities received special engineering advice and assistance regarding matters referred to below.

**Alliston**—Estimates were submitted for an improved street lighting system in the business section.

**Camp Borden**—A large portion of the distribution system was reconstructed and the voltage changed from 2,200 to 4,000. The substation capacity was increased by the installation of a new bank of transformers.

**Uxbridge**—New electrically driven pumping units for domestic supply and fire purposes, with gasoline auxiliary were installed in connection with a new water works system.

### EASTERN ONTARIO SYSTEM

The power sold on the Eastern Ontario system showed a sharp increase in 1940, principally due to munitions load or to industries directly affected by war conditions, and with a few exceptions the load increased in all municipalities and rural power districts.

The total amount of power delivered to urban municipalities and rural districts amounted to 117,795 horsepower in 1940, an increase of 8.8 per cent.

The Eastern Ontario system is now taking all the power available from the Commission's generating stations on this system and is also taking all the 60-cycle power provided under the Commission's contract with the Gatineau Power Company. A new generating station is now under construction on the Madawaska river, and for immediate future requirements the system can obtain a supply of power from the Niagara system through the frequency-changer at Chats Falls.

General engineering assistance was given to nearly all municipalities on the Eastern Ontario system in connection with the operation and management of their local Hydro utilities.

Certain municipalities received special engineering advice and assistance with regard to matters detailed below.

**Belleville**—The city is preparing to add 1,500 kv-a in transformer capacity to its substation.

**Iroquois**—The village has entered into a cost contract with the Commission and commenced to take power on February 10, 1940, from a new substation in the village.

**Kingston**—Growth in load due to added industries in and adjacent to the city will require a new substation.

**National Research Council**—To give service to the new laboratory of the National Research Council, near Ottawa, the Commission has constructed a 110,000-volt line and a new substation.

**Peterborough**—Extensive changes in the distribution system have been undertaken. A large munition load will be served direct from the high-tension lines.



### THUNDER BAY SYSTEM

Three urban and two rural areas are served by the Thunder Bay system, viz: the cities of Port Arthur and Fort William, and Nipigon village; and the Thunder Bay and Nipigon rural power districts. Large industrial supply is given mostly to pulp and paper mills, terminal grain elevators, and mines in the Sturgeon river and Longlac districts west of lake Nipigon in which ten producing gold mines are now served. Although the power loads of the terminal grain elevators have suffered some curtailment on account of war conditions, the demands of the pulp and paper industry were greatly increased, which, together with a considerable growth in the mining load as well as in that of the urban and rural districts, has created a net increase for the total load sold of 13.8 per cent over 1939. The municipal load shows an increase of 8.5 per cent; the rural load 32.5 per cent and the mining load 6.9 per cent. One pulp mill, which was idle for the greater part of the previous year, was again placed in operation, and one of the large pulp and paper mills increased its load by 14.6 per cent.

Due to low precipitation in the fall of 1939, and the winter of 1940, and reduced flow on the Nipigon river, the power supplied on an "at-will" basis for electric steam generation at pulp and paper mills was curtailed, resulting in a loss of revenue from this class of service. However, the general load increase in all other classes of customers served, except that of the grain trade, resulted in a gross revenue gain of 5.6 per cent.

Engineering assistance and advice relative to the operation of the local distribution systems was given to the cities of Fort William and Port Arthur, also to Nipigon township. All of the ten mining properties served were also visited periodically for the purpose of assisting in the power supply problems of these customers.

### NORTHERN ONTARIO PROPERTIES

The Northern Ontario Properties comprise the generating plants and transmission lines in the areas of northern Ontario lying north and west of, and including Sudbury and North Bay between the Quebec and Manitoba boundaries, excluding the territory served by the Thunder Bay system. These properties are held in trust and operated by the Commission on behalf of the Province. Operations in this territory involve power supply to fifty-one mining properties, two cities, four towns and ten villages, hamlets and mining townsites, as well as power supply to the Canada Northern Power Corporation, which operates in the northern portion of the same area and in portions of the province of Quebec adjacent to the Ontario boundary.

As in previous years, since the Commission first entered this field in 1929 there was, during 1940, large expansion in load growth, the increase in load sold being 31,000 horsepower or approximately 20 per cent.

All of the mining properties served, as well as the municipal and townsite distribution systems, were visited periodically for the purpose of rendering engineering assistance on power supply problems. Similar assistance was also given to a number of mines in the prospect stage.



### **Nipissing District**

This district includes the area adjacent to the city of North Bay, the town of Powassan and the village of Callander, together with the North Bay and Powassan rural power districts. Three generating plants on the South river, and the Crystal Falls development on the Sturgeon river, form the sources of power supply. The increase in load sold over the previous year was 5.4 per cent. During the year the distribution system in the city of North Bay was sold to the Corporation, after enabling and money by-laws were voted on and approved by the ratepayers. Power purchase and sale agreements were executed between the Commission and the Corporation. The Commission operated the distribution system in North Bay from the date of transfer, June 1, until the end of the year. In 1941 the system will be operated by a local Commission.

### **Sudbury District**

This district includes the city of Sudbury and areas adjacent thereto. Power is supplied from three hydro-electric developments on the Wanapitei river and the Crystal Falls development on the Sturgeon river. Power is supplied to the city of Sudbury, the town of Capreol, the hamlet of Garson, the Sudbury rural power district, and for mining purposes to The International and Falconbridge Nickel Companies. The load sold to the city of Sudbury increased by 11.3 per cent, and the total district load sold increased by 7.1 per cent during the year. To provide for load growth a second sub-station was placed under construction in Sudbury.

### **Abitibi District**

The Abitibi district includes the areas served by the Abitibi Canyon development. Power is supplied chiefly for mining purposes in the mining districts of Porcupine, Kirkland Lake, Larder Lake, Matachewan, and Sudbury, and to The Canada Northern Power Corporation. The increase in load sold in this district over the previous year was 20.9 per cent. In addition to power supply for thirty-one mining customers, service is also given to four mining townsites, one town and one village, all of which have shown an increase in both load sold and additional customers served.

### **Patricia-St. Joseph District**

This district comprises the combined areas served by the Ear Falls development on the English river, and the Rat Rapids development on the Albany river, both of which feed into one interconnecting network of transmission lines. Power is supplied to eleven mines in Red Lake, Woman Lake and Pickle Lake mining districts and to the mining townsites of Red Lake and Cottage Cove, the hamlet of Hudson and the town of Sioux Lookout. A contract was negotiated with The Dryden Paper Co. Ltd. for a large block of power on an "at-will" basis to be delivered early in the new year. The total load sold in this district increased 30.7 per cent.



#### RURAL ELECTRICAL SERVICE IN ONTARIO

Hydro service brings to Ontario farmers a high standard of living and relief from many arduous tasks in house, dairy and barn

### RURAL ELECTRICAL SERVICE IN ONTARIO

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THE year 1940 completed a period of twenty years during which the Commission extended rural lines to serve consumers in areas known as rural power districts. It is nearly thirty years since the Commission first supplied rural electrical service to consumers. During the first ten years, service was supplied to townships and in most cases lines were constructed from existing municipal urban systems. During the last twenty years the supplying of electrical service in rural districts has been undertaken by the formation of rural power districts, whose boundaries are not arbitrary geographical limits, such as define the areas of townships, but depend rather upon the economic distance which may be served from a distribution centre.

The land area of the Province of Ontario extends over a vast territory of 363,282 square miles, of which about 35,700 square miles are occupied for agriculture. The total rural population in the area served by The Hydro-Electric Power Commission, or in adjacent areas within transmission distance of the Commission's power supply, is approximately 1,100,000.

There are 184 operating rural power districts, and power is delivered to approximately 123,000 rural consumers, comprising farms and dwellings in various groups. The consumers are situated in 422 organized townships; 16 unorganized townships and 119 police villages, villages and towns, and are served over a network of rural primary lines which aggregate 19,492 miles. In addition to the 438 townships served by rural power districts, 10 townships are served jointly by rural power districts and voted areas.

During the past year the mileage of rural line extensions approved for construction in rural power districts in Ontario was 1,340. In all, 9,865



consumers were added. The aggregate load supplied to all rural Hydro consumers in the Province amounted to 70,018 horsepower, an increase of 13.6 per cent over 1939.

Census data indicate that there are approximately 200,000 farms in Ontario, varying from one acre to six hundred acres or larger. It would be erroneous, however, to conclude that hydro-electric service will eventually extend to such a number of farms. Approximately ten per cent of these are very small, and service to them, if available, is supplied by the Commission under rates applicable to non-farm classes. There are also large numbers of farms jointly owned and tenanted, some having no residential buildings on them, and there are also a large number situated in remote districts out of reach of Hydro lines and stations.

During the period that the regulations respecting service to rural consumers required a minimum of three farm contracts per mile of primary line, the Commission made surveys in various parts of the Province and estimated that approximately 75,000 standard or large farms would comprise the probable ultimate total of farms that could be served on this basis. Since that time new regulations have been made permitting service on the basis of two farms per mile, which necessarily has increased the number of additional farms that may be served.

For the next year it is anticipated that the miles of primary line constructed will be about 80 per cent of the number constructed during the past year. As the lines extend into the more remote districts, however, the average number of farms that can be served per mile of line and the number of farms remaining to be served will become smaller, and therefore the mileage of rural lines constructed each year will decrease.

Recent estimates of the major electrical appliances used in rural power districts are set out in the following table:

#### ELECTRICAL APPLIANCES IN USE AMONG FARM CONSUMERS IN RURAL POWER DISTRICTS

Data for all systems for the year 1939

On the farm			In the farm home		
Item	Number of appliances	Percentage of saturation	Item	Number of appliances	Percentage of saturation
Motor . . . . .	8,236	15.4	Range . . . . .	9,196	17.2
Pump . . . . .	7,144	13.4	Hot plate . . . . .	11,326	21.2
Grain grinder . . . . .	2,986	5.6	Washer . . . . .	31,054	58.2
Milking machine . . . . .	1,620	3.0	Vacuum cleaner . . . . .	7,623	14.3
Milk cooler . . . . .	944	1.8	Water heater, flat rate..	2,157	4.0
Cream separator . . . . .	3,518	6.6	"          metered .	1,046	1.9
Churn . . . . .	474	0.8	Grate . . . . .	375	0.7
Incubator . . . . .	621	1.2	Portable air heater . . . .	4,333	8.1
Brooder . . . . .	642	1.2	Ironer . . . . .	608	1.1
Hot bed . . . . .	45	.....	Irons . . . . .	40,181	75.3
Water heater, flat rate.	105	0.2	Refrigerator . . . . .	6,528	12.2
"          metered .	47	.....	Toaster . . . . .	27,342	51.2
Miscellaneous . . . . .	558	1.0	Radio . . . . .	38,315	71.8
			Furnace blower . . . . .	847	1.6
			Pump . . . . .	8,079	15.1
			Miscellaneous . . . . .	1,536	2.9

The following table makes comparison between rural and urban use:

**ELECTRICAL APPLIANCES IN USE IN HOMES OF URBAN AND RURAL CONSUMERS—1939**

Electrical appliance	R.P.D. Hamlet		R.P.D. Farm		Urban	
	Number of appliances	Percentage of saturation	Number of appliances	Percentage of saturation	Number of appliances	Percentage of saturation
Range.....	6,250	12.5	9,196	17.2	159,179	30.5
Hot plate.....	12,013	23.9	11,326	21.2	91,326	17.5
Washer.....	23,030	45.9	31,054	58.2	253,509	48.6
Vacuum cleaner.....	7,788	15.5	7,623	14.3	174,240	33.4
Water heater, flat rate.....	1,683	3.3	2,157	4.0	57,426	11.0
Water heater, metered.....	917	1.8	1,046	1.9	56,104	10.7
Grate.....	405	0.8	375	0.7	37,814	7.2
Air heater.....	3,729	7.4	4,333	8.1	148,961	28.5
Ironer.....	705	1.4	608	1.1	15,056	2.9
Iron.....	33,476	66.8	40,181	75.3	479,785	91.9
Refrigerator.....	7,178	14.3	6,528	12.2	104,643	20.1
Toaster.....	24,794	49.5	27,342	51.2	312,905	60.0
Radio.....	35,145	70.1	38,315	71.8	406,456	77.9
Furnace blower.....	931	1.8	847	1.6	32,044	6.1
Grill.....					52,170	10.0
Pump.....	6,042	12.0	8,079	15.1		
Air conditioner.....					5,361	1.0
Miscellaneous.....	2,011	4.0	1,536	2.9		

**Standard Number of Consumers per Mile**

Effective May 1, 1938, the Commission received authority by Order-in-Council to construct rural primary lines on a basis of two farms per mile under existing rates. This new basis does not include service to summer cottages, which remains on the previous basis of three farms per mile. The standard number of consumers required per mile varies according to the class of service rendered. For this purpose a unit rating is allocated to each class of consumer. A total of ten units per mile made up by various classes of consumers is required before construction work is undertaken.

The following table shows the number of units for each class of service:

Class of consumer	Service	Units per class applicable to number per mile—May 1, 1938			
		A—Regular rural consumers		B—Summer cottage consumers	
		Units per contract	Contracts per mile	Units per contract	Contracts per mile
1B	Hamlet lighting.....	2.25	4.4	1.5	6.7
1C	Hamlet lighting (range).....	3.75	2.7	2.5	4
2A	House lighting.....	1.9	5.3	1.25	8
2B	Small farm service (50 acres or less).....	3.5	2.9	2.35	4.3
3	Light farm service (over 50 acres).....	5	2	3.35	3
4	Medium farm service (single-phase).....	5	2	3.35	3
5	Medium farm service (three-phase).....	5	2	3.35	3
6A	Heavy farm service (single-phase).....	5	2	3.35	3
6B	Heavy farm service (three-phase).....	5	2	3.35	3
7A	Special farm service (single-phase).....	5	2	3.35	3
7B	Special farm service (three-phase).....	5	2	3.35	3



### Cabin Service

Arrangements were made during the year to provide the Commission's rural customers with electric service to cabins at special rates, which call for a service charge of 30 cents gross per cabin per month and five kilowatt-hours extra per cabin per month to be added to the first kilowatt-hour block. The rates are subject to the usual ten per cent discount for prompt payment. This cabin service is supplementary to the regular supply contract and applies to the months of June, July, August and September of each year.

### Maximum Consumption Charge

The Commission has found that the maximum economic limit of the first domestic use through the rural power districts of the Province is 6 cents per kilowatt-hour. In all rural power districts the first consumption rate is fixed at a maximum of 6 cents per kilowatt-hour. The second rate has a maximum of 2 cents per kilowatt-hour which applies to all districts.

### Low Third Consumption Rate for Long-Hour Users

In 1934 the Commission made available for rural consumers a special energy rate for long-hour users of power. This low rate particularly affects under-earth heating (hot-beds) and heating of water. Where the extra use of energy may be obtained from the present equipment, a third follow-up rate per kilowatt-hour of 0.75 cents gross is given in all districts. The first rate remains unchanged, except that as pointed out above it is subject to a maximum of 6 cents per kilowatt-hour, and the kilowatt-hours to be charged at the first rate remain unchanged. The number of kilowatt-hours to be charged at the second rate varies both with the class of service and the first kilowatt-hour rate. At the head of the table of rural rates at the end of this section is a schedule which shows the class of service, the number of kilowatt-hours per month to be charged for at the first rate, and the number of kilowatt-hours at the second rate according to the governing first rate.

### Average Cost to Rural Consumers Decreasing

The remarkable benefits obtained by rural communities in regard to the amount charged to them during the period 1928 to 1939 is indicated in the following tables:

#### HAMLET AND HOUSE LIGHTING SERVICE

##### Classes 1B, 1C and 2A

Year	Annual revenue	Kilowatt-hours consumed	Number of consumers billed*	Average revenue per kw-hr.	Average monthly bill	Average monthly consumption, kw-hr.
	\$ c.			cents	\$ c.	
1928	530,407.00	10,702,031	17,585	4.95	2.51	50.7
1929	663,311.00	14,424,770	21,219	4.60	2.85	62.0
1930	757,558.00	17,815,987	25,013	4.25	2.73	64.2
1931	974,224.17	22,127,474	31,176	4.40	2.88	65.6
1932	1,075,081.03	24,654,386	33,638	4.36	2.76	63.3
1933	1,133,368.70	25,410,470	35,941	4.46	2.70	60.1
1934	1,149,876.67	27,768,460	37,466	4.14	2.61	63.0
1935	1,171,873.28	30,802,290	39,751	3.80	2.53	66.5
1936	1,239,010.83	35,666,241	43,014	3.47	2.49	71.8
1937	1,331,919.46	40,935,040	46,785	3.25	2.47	76.0
1938	1,439,681.39	47,612,820	52,514	3.02	2.42	79.9
1939	1,649,496.29	54,787,544	58,328	3.01	2.48	82.4

\*See footnote to next table.

## FARM SERVICE

Classes 2B, 3, 4, 5, 6A, 6B, 7A and 7B

Year	Annual revenue	Kilowatt-hours consumed	Number of consumers billed*	Average revenue per kw-hr.	Average monthly bill	Average monthly consumption, kw-hr
	\$ c.			cents	\$ c.	
1928	569,007.00	10,969,828	9,309	5.18	4.97	96.1
1929	777,736.00	16,022,842	12,605	4.85	5.85	120.8
1930	863,805.00	20,507,063	16,011	4.21	5.03	119.4
1931	1,128,554.28	25,716,141	20,796	4.39	5.11	116.4
1932	1,255,482.13	28,675,400	22,432	4.38	4.84	110.5
1933	1,309,122.96	30,062,194	23,283	4.35	4.75	109.2
1934	1,319,922.69	33,312,314	23,882	3.96	4.66	117.7
1935	1,343,222.39	37,667,453	25,357	3.57	4.55	127.5
1936	1,385,784.39	45,447,669	28,198	3.05	4.31	141.4
1937	1,366,484.50	54,858,240	35,508	2.49	3.57	143.5
1938	1,711,788.81	67,886,882	44,565	2.52	3.56	141.3
1939	2,090,259.14	81,613,087	53,240	2.56	3.56	139.1

\*It may be observed that the number of consumers reported here does not agree with those shown in other sections of the Annual Report of the Commission. This is due to the fact that the figures given here represent consumers actually billed, whereas elsewhere in the Report the tables show the number of contracts executed to the end of the fiscal year. In many cases service is not given until the following year.

## Rural Loans

Under The Rural Power District Loans Act, 1930, authority was given to The Hydro-Electric Power Commission of Ontario to finance the installation of wiring and the purchase of specified electrical equipment by rural farm consumers.

To October 31, 1940, 2,377 applications had been received and of these 1,772 loans were completed. As all applications for loans are governed by regulations made subject to the provisions of the Act, it will be seen that quite a number fail to meet the requirements of these regulations.

To October 31, 1940, 792 loans had been repaid in full either through the maturing of the loan or because of the improved financial position of the borrower.

During the fiscal year ended October 31, 1940, there were received 284 applications which, with the 48 carried over from last year, were disposed of as follows:

Loans completed.....	247
Withdrawn.....	27
Did not meet requirements.....	6
Cheques issued but refused by applicants and cancelled	7
Not approved.....	40
Approved waiting final papers.....	5

## SUMMARY OF LOANS MADE TO OCTOBER 31, 1940

Fiscal year ended Oct. 31	Applications received	Loans consummated	Amount of loans
1931.....	126	74	\$ 23,542
1932.....	226	187	40,160
1933.....	144	111	20,975
1934.....	107	81	14,855
1935.....	235	169	32,450
1936.....	307	212	40,550
1937.....	230	155	29,615
1938.....	321	240	47,265
1939.....	356	296	61,445
1940.....	284	247	49,215
Total.....	2,336	1,772	360,072

## LOANS GRANTED TO CONSUMERS IN RURAL POWER DISTRICTS

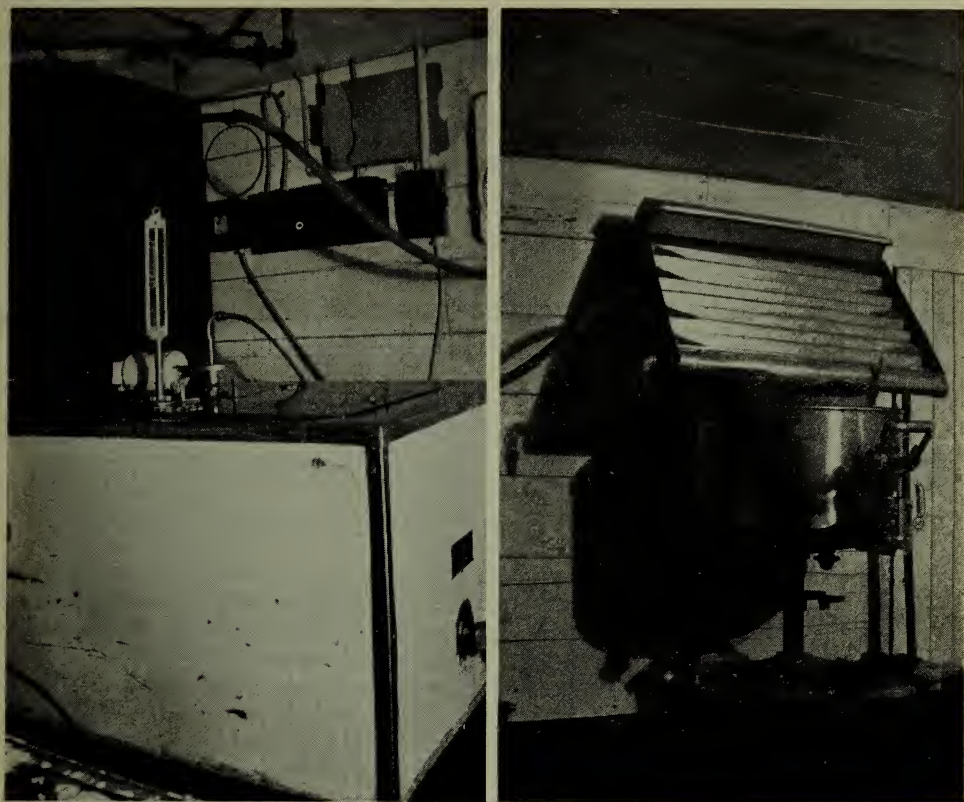
System	Total to Oct. 31, 1939		Nov. 1, 1939, to Oct. 31, 1940		Total to Oct. 31, 1940	
	No.	Amount	No.	Amount	No.	Amount
Niagara.....	1,246	\$ 243,930	182	\$ 35,570	1,428	\$ 279,500
Georgian Bay.....	202	49,197	43	8,640	244	57,837
Eastern Ontario.....	68	15,670	20	4,460	89	20,130
Thunder Bay.....	3	770	2	545	5	1,315
Manitoulin R.P.D.....	6	1,290	.....	.....	6	1,290
All systems.....	1,525	310,857	247	49,215	1,772	360,072

The average loan for 1939, \$207.58; for 1940, \$199.25. The average for all loans, \$203.20

## DETAILS OF TOTAL COST OF EQUIPMENT ON WHICH RURAL LOANS WERE GRANTED TO OCTOBER 31, 1940

Items applied for (including installation) in loans which have been made	Totals for 1,525 loans made to October 31, 1939		Totals for 247 loans made during year to October 31, 1940		Totals for 1,772 loans made to October 31, 1940	
	Number affected	Cost to consumers	Number affected	Cost to consumers	Number affected	Cost to consumers
Service.....	523	\$ c. 27,983.09	72	\$ c. 3,888.44	595	\$ c. 31,871.53
House wiring.....	526	43,951.62	75	5,162.88	601	49,114.50
Building wiring.....	496	37,623.04	59	4,192.23	555	41,815.27
Motors.....	53	5,327.96	1	73.75	54	5,401.71
Grain grinders.....	812	164,594.97	127	29,207.90	939	193,802.87
Pumping systems.....	129	18,905.26	27	4,714.91	156	23,620.17
Milking machines.....	33	9,643.15	8	2,370.42	41	12,013.57
Washing machines.....	46	4,705.85	4	349.95	50	5,055.80
Milk coolers.....	81	18,082.17	19	3,891.50	100	21,973.67
Ranges.....	2	325.00	1	169.50	3	494.50
Cream separators.....	2	180.00	.....	.....	2	180.00
Totals.....	.....	331,332.11	.....	54,021.48	.....	385,343.59





ELECTRICAL PASTEURIZATION AND COOLING OF MILK

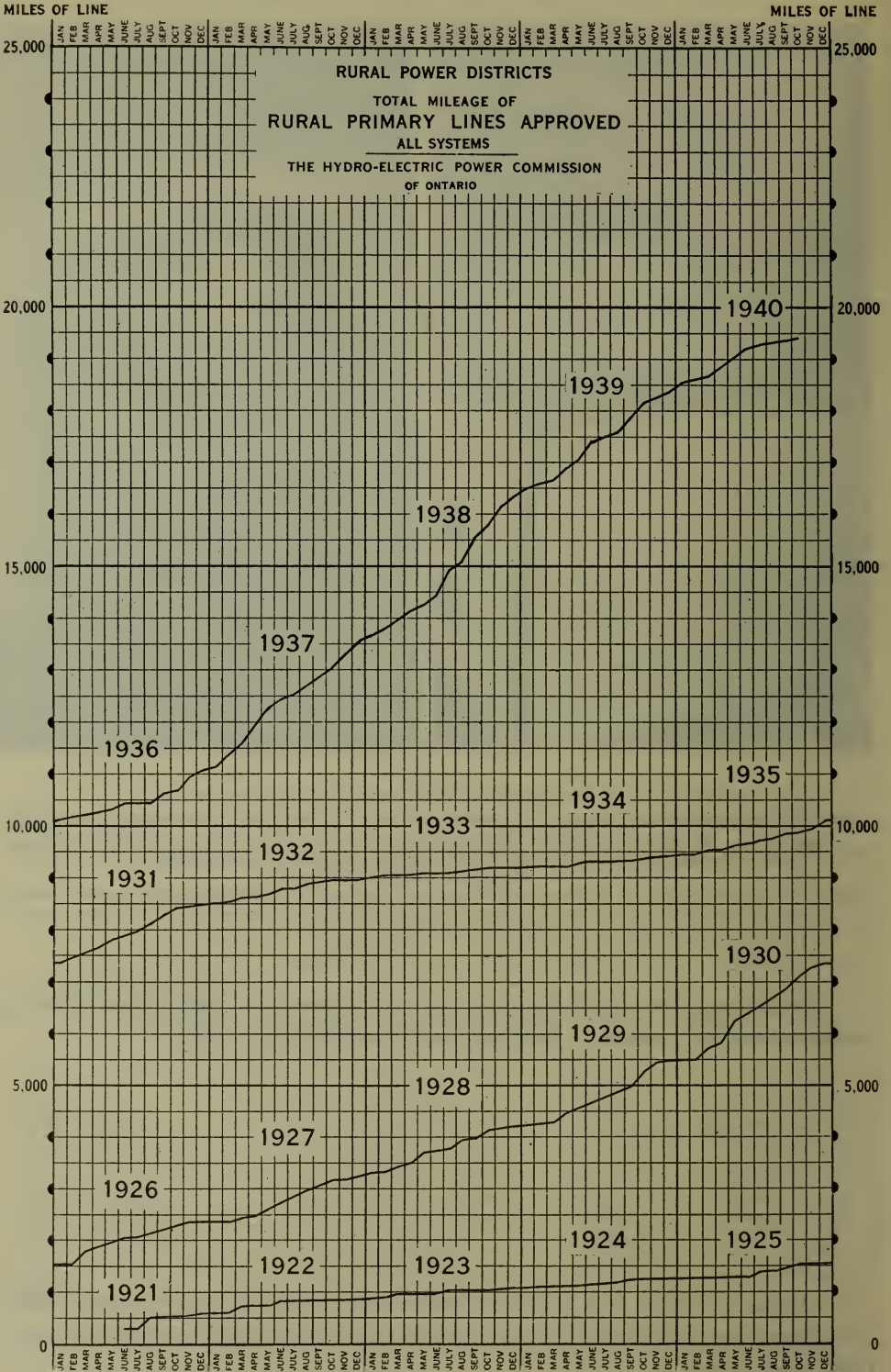
Left — Electric pasteurizer, capacity 35 gallons, in use by farmer retailing milk in a small community. By use of electrical pasteurization the requirements of the Provincial Department of Health can be complied with in a safe and economical manner.

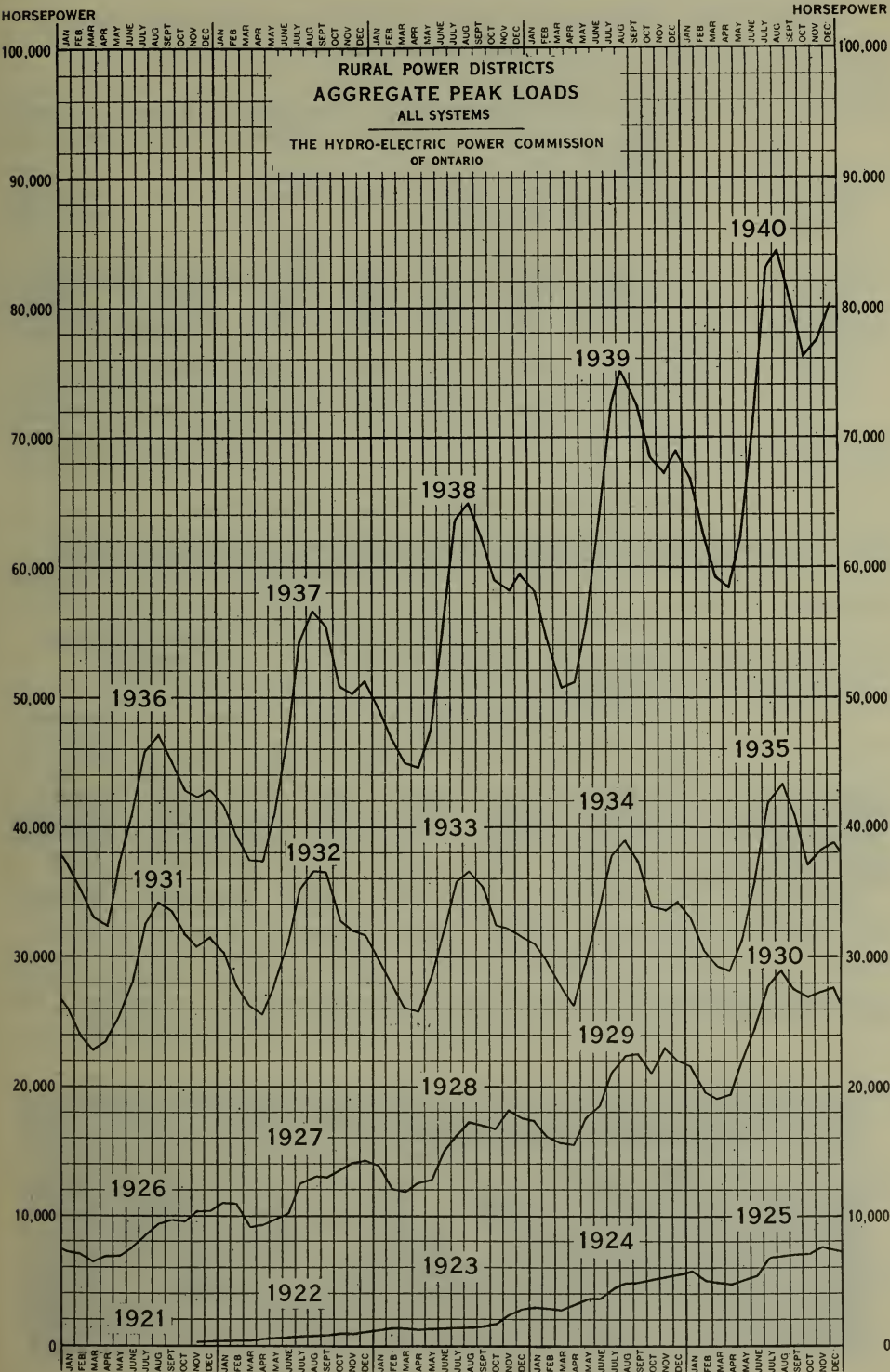
Right—Refrigerator-type of surface cooler which cools the milk from approximately 140° to 50°F., following pasteurization. Shown here mounted in conjunction with bottle filler

Respecting the 1,772 loans made to October 31, 1940, the following table shows the number of loans made for each term of years:

One year term.....	46	Six year term.....	10
Two “ “ .....	147	Seven “ “ .....	79
Three “ “ .....	430	Eight “ “ .....	9
Four “ “ .....	88	Nine “ “ .....	0
Five “ “ .....	925	Ten “ “ .....	38

During the past five years no loans were made for periods longer than five years, and during the past year no loans were granted for periods longer than three years.







**RURAL LINE EXTENSIONS APPROVED BY THE COMMISSION DURING  
THE YEAR 1940**

System	Miles of primary line	Net increase in number of consumers			Power supplied in October 1940	Capital approved for extensions	
		Hamlet	Farm, etc.	Total		Total	Provincial grant-in-aid
Niagara .....	534.17	1,626	3,354	4,980	h.p. 53,683	\$ c. 1,576,704.00	\$ c. 788,352.00
Georgian Bay .....	318.11	914	978	1,892	7,137	706,710.00	340,958.00
Eastern Ontario .....	280.63	680	1,186	1,866	13,594	735,903.00	367,951.50
Thunder Bay .....	57.95	56	193	249	551	115,104.00	57,552.00
Northern Ontario Properties .....	148.72	525	353	878	1,140	349,903.00	174,951.50
Totals .....	1,339.58	3,801	6,064	9,865	76,105	3,484,324.00	1,729,765.00

**SUMMARY OF RURAL LINE EXTENSIONS**

**As Approved by the Commission from June 1, 1921, to October 31, 1940  
Constructed or Under Construction**

System	Miles of primary line	Number of consumers			Capital approved for extensions	
		Hamlet	Farm etc.	Total	Total	Provincial grant-in-aid
Niagara .....	11,487.43	31,717	44,663	76,380	\$ c. 27,240,476.89	\$ c. 13,596,958.44
Georgian Bay .....	2,933.83	9,711	7,604	17,315	6,287,143.95	3,059,455.49
Eastern Ontario .....	4,494.44	12,327	13,077	25,404	10,159,299.31	5,079,649.65
Thunder Bay .....	275.79	382	758	1,140	558,161.00	279,080.50
Northern Ontario Properties .....	300.59	2,175	608	2,783	761,208.00	380,604.00
Totals .....	*19,492.08	56,312	66,710	123,022	45,006,289.15	22,395,748.08

\*This total includes 240.97 miles of primary line under construction on October 31, 1940, and service to 664 new consumers was not completed until after the end of the fiscal year.



**HYDRO DISPLAY AT INTERNATIONAL PLOWING MATCH**

When contracts between the consumer and the township have been executed, users of power in townships are supplied with electric service under general classes, according to the requirements and conditions of the individual consumer, as follows:

Class	Service	Class demand kilowatts	Phase	Volts	Fuse rating amperes (maximum)
1B	Hamlet Lighting . . . . .	1.32	1	110	20
1C	" " " " " " " " " " " " " " " "	2	1	220-110	35
2A	House Lighting . . . . .	1.32	1	110	20
2B	Small Farm Service . . . . .	2	1	220-110	35
3	Light Farm Service . . . . .	3	1	<del>220-110</del>	35
4	Medium Farm Service . . . . .	5	1	220-110	50
5	" " " " " " " " " " " " " " " "	5	3	220-110	35
6A	Heavy Farm Service . . . . .	9	1	220-110	100
6B	" " " " " " " " " " " " " " " "	9	1 and 3	220-110	60
7A	Special Farm Service . . . . .	15	1	220-110	According to load
7B	" " " " " " " " " " " " " " " "	15	1 and 3	220-110	According to load

Note: Class 2B is the service usually supplied to farms of fifty acres or less and Class 3 is the service usually supplied to larger farms. More than 90 per cent of new contracts for farm service are in one or other of these classes.

## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1940

Rural rates																	
Class.....		1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Gross consumption charges per kilowatt-hour				Prompt payment discount on gross bill
No. of kw-hrs. per month....		30	30	30	30	42	70	70	126	126	210	210					
No. of kw-hrs. where first energy rate is		Monthly consumption charged for at first energy rate											Gross consumption charges per kilowatt-hour				Prompt payment discount on gross bill
		120	270	120	270	258	430	430	774	774	1290	1290					
		105	240	105	240	228	380	380	684	684	1140	1140	Gross consumption charges per kilowatt-hour				Prompt payment discount on gross bill
		75	180	75	180	168	280	280	504	504	840	840					
		60	150	60	150	138	230	230	414	414	690	690	Gross consumption charges per kilowatt-hour				Prompt payment discount on gross bill
		45	120	45	120	108	180	180	324	324	540	540					
Property number		Miles of line	No. of consumers	Maximum gross monthly service charge to Summer cottages. Where the rates are below these standards, they are indicated in each instance by †.											First energy rate	Second energy rate	Rate for all additional
				\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.			
Gross monthly service charge to regular consumers																	
NIAGARA SYSTEM																	
		\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	%	
Acton.....N5 D1		51	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	cents 5	
Ailsa Craig.....N4 D7		197	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	cents 6	
Alvinston.....N18 D9		56.10	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	cents 6	
Amherstburg.....N15 D3		921	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	cents 3.5	
Aylmer.....N11 D2		1,651	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	cents 4.5	
Ayr.....N12 D4		41.35	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	cents 4	
Baden.....N7 D1		145.88	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	cents 3	
Beamsville.....N44 D3		255.06	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	cents 3	
Belle River.....N15 D2		64.78	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	cents 4	
Blenheim.....N14 D3		101.67	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	cents 4	
Bond Lake.....N3 D3		216.85	1.10	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	cents 3	
Bothwell.....N14 D10		133.98	† 1.10	1.56	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	cents 1.5	
Brampton.....N13 D2		91.15	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	cents 2	
Brant.....N12 D1		1,150	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	cents 3	
Brigden.....N18 D8		98.14	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	cents 1.5	
Burford.....N12 D2		106.55	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	cents 6	
Caledonia.....N2 D5		202.03	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	cents 4.5	
Chatham.....N14 D1		234.07	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	cents 4	
Chippawa.....N1 D7		40.41	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	cents 3.5	
Clinton.....N8 D11		112.69	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	cents 2	

†Summer cottage rates.



RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1940—Continued

Rural power district	Rural rates													Gross consumption charges		Prompt payment discount	
	Class	Miles of line	No. of consumers	1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Gross consumption charges		
															First energy rate†		Second rate‡
NIAGARA SYSTEM—Continued																	
Property number																	
Delaware.....N4 D3	203.15	990	\$ 1.11	1.11	1.11	1.11	1.11	\$ c.	1.56	2.50	2.78	2.78	\$ c.	3.33	3.33	cents	%
Dorchester.....N4 D1	151.45	847	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
Dresden.....N14 D12	110.34	377	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Drumbo.....N12 D5	101.85	489	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
Dundas.....N2 D1	172.84	1,177	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	2	0.75
Dunnville.....N1 D9	95.70	526	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Dutton.....N11 D3	111.03	372	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Elmira.....N7 D3	42.80	161	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
Elora.....N5 D4	106.12	454	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
Essex.....N15 D7	165.54	867	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75
Exeter.....N4 D6	146.99	1,065	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Forest.....N18 D6	133.36	570	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Galt.....N6 D2	53.99	511	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75
Georgetown.....N5 D2	96.08	424	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
Goderich.....N8 D2	78.42	313	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Grantham.....N44 D1	66.80	1,013	1.00	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75
Guelph.....N5 D3	166.29	929	†1.00	1.50	1.11	1.11	1.56	1.56	2.50	2.78	2.78	2.78	3.33	3.33	3	1.5	0.75
Haldimand.....N2 D8	219.71	993	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75
Harriston.....N8 D5	34.49	95	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Harrow.....N15 D4	84.14	921	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75
Ingersoll.....N10 D3	238.14	908	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5.5	2	0.75
Jordan.....N44 D2	49.87	493	†1.06	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75
Keswick.....N3 D5	83.11	1,492	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
Kingsville.....N15 D5	189.98	2,140	1.00	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	2	0.75
Listowel.....N8 D8	120.13	525	†1.00	1.56	1.11	1.11	1.56	1.56	2.50	2.78	2.78	2.78	3.33	3.33	4	2	0.75

†See heading to first page of table.

‡Summer cottage rates.

## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1940—Continued

Rural power district	Rural rates													Gross consumption charges		Prompt payment discount	
	Class	Miles of line	No. of consumers	Gross monthly service charge to regular consumers													
				1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	First energy rate†		Second rate‡
NIAGARA SYSTEM—Continued																	
				\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	cents	cents	%	
London.....	N4 D2	242.29	3,032	0.90	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3	1.5	10
Lucan.....	N4 D5	95.51	306	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
Lynden.....	N2 D2	87.57	404	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	10
Markham.....	N3 D1	176.50	1,534	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	10
Merlin.....	N14 D15	139.92	579	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	5	2	10
Milton.....	N13 D3	107.42	535	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	10
Milvorton.....	N8 D9	77.54	307	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	10
Mitchell.....	N8 D7	123.27	562	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4.5	2	10
Newmarket.....	N3 D4	105.62	666	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	10
Niagara.....	N1 D1	66.23	508	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3	1.5	10
Norwich.....	N10 D1	167.97	865	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.5	2	10
Oil Springs.....	N18 D3	85.86	293	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	10
Palmerston.....	N8 D6	82.87	262	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	10
Petrolia.....	N18 D5	52.80	202	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	10
Preston.....	N6 D1	191.49	1,586	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3	1.25	10
Ridgetown.....	N14 D2	134.65	926	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	10
St. Jacobs.....	N7 D2	103.00	541	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3	1.5	10
St. Marys.....	N9 D1	209.18	821	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	5	2	10
St. Thomas.....	N11 D1	237.46	1,659	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3	1.5	10
Saltfleet.....	N17 D1	105.46	2,311	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3	1.5	10
Sandwich.....	N15 D1	156.66	2,913	1.00	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.5	1.5	10
Sarnia.....	N18 D4	121.16	1,912	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	10
Scarboro.....	N3 D2	113.82	1,486	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	10
Seaforth.....	N8 D10	34.42	194	1.10	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	10
Simcoe.....	N12 D6	144.32	935	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	10

†Summer cottage rates.

‡See heading to first page of table.

## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1940—Continued

Rural power district	Rural rates																		
	Class	Miles of line	No. of consumers	Gross monthly service charge to regular consumers													Gross consumption charges		Prompt payment discount
				1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Rate for additional				
															First energy rate†	Second rate‡			
NIAGARA SYSTEM—Continued																			
Stamford.....	N44	D4	300	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 3	cents 0.75	
Stratford.....	N8	D4	318	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	0.75	
Strathroy.....	N4	D4	544	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	
Streetsville.....	N13	D1	727	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	0.75	
Tavistock.....	N8	D1	562	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	0.75	
Thamesville.....	N14	D11	509	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	
Tilbury.....	N14	D14	664	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	0.75	
Tillsonburg.....	N10	D4	1,206	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	0.75	
Wallaceburg.....	N14	D13	1,106	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	0.75	
Walsingham.....	N12	D7	1,718	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	
Walton.....	N8	D3	488	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	
Waterdown.....	N2	D3	1,228	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2.5	0.75	
Waterford.....	N12	D3	689	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	0.75	
Watford.....	N18	D7	250	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	
Welland.....	N1	D5	3,771	1.00	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	
			†1.00	1.56	1.11	1.11	1.56	1.56	1.56	1.56	2.50	2.78	2.78	3.33	3.33			0.75	
Woodbridge.....	N16	D1	1,587	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	0.75	
Woodstock.....	N10	D2	1,002	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	0.75	

Total, Niagara system.....11,487.43 76,380 \*See footnote on page 51. †Summer cottage rates. ‡See heading to first page of table.



## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1940—Continued

Rural power district	Rural rates													Gross consumption charges		Prompt payment discount			
	Class.....	Miles of line	No. of consumers	Gross monthly service charge to regular consumers															
				1B	1C	2A	2B	3*	4	5	6A	6B	7A				7B		
Property number	GEORGIAN BAY SYSTEM																		
		\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	cents	cents	%	
Alliston.....	GS32 D1	69.99	328	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
Arthur.....	GE13 D2	44.96	107	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
Bala.....	GB13 D1	102.89	630	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	10
Barrie.....	GS4 D1	106.03	895	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	10
Baysville.....	GM10 D1	75.04	402	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
Beaumaris.....	GM7 D1	81.48	597	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	10
Beaverton.....	GW2 D1	60.59	575	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	10
Beeton.....	GS33 D1	1.80	5	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
Bradford.....	GS37 D1	61.25	230	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
Bruce.....	GE19 D1	214.37	876	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	10
Buckskin.....	GS24 D1	6.00	42	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
Cannington.....	GW3 D1	36.44	153	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
Chatsworth.....	GE3 D1	12.20	63	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
Cookstown.....	GS35 D1	4.83	9	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
Creemore.....	G17 D2	124.89	436	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	10
Dundalk.....	GE5 D1	37.21	111	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
Elmvale.....	GS7 D1	65.44	302	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5.5	2	10
Flesherton.....	GE1 D1	40.41	174	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
Gravenhurst.....	G34 D1	17.62	95	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	10
Hawkestone.....	GS9 D1	88.18	494	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	10
Holstein.....	GE7 D1	15.10	50	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
Huntsville.....	GM2 D1	127.02	641	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	10
Innisfil.....	GS31 D1	48.60	1,181	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
Kirkfield.....	GW6 D1	43.60	174	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
Lucknow.....	GE24 D1	9.01	57	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10

†See heading to first page of table.

## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1940—Continued

Rural power district	Rural rates																	
	Class.	Miles of line	No. of consumers	1B	1C	2A	2B	3*	4	5	Gross monthly service charge to regular consumers				Gross consumption charges		Prompt payment discount	
											6A	6B	7A	7B	Second rate†			
															First energy rate‡	Rate for all additional‡		
Property number	GEORGIAN BAY SYSTEM—Continued																	
				\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	cents	cents	%	
Mariposa.....	GW9	D1	75.94	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Markdale.....	D2		29.65	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Meaford.....	G14	D1	70.93	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Medonte.....	GS18	D1	84.20	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Midland.....	GS1	D1	101.34	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Mount Forest.....	GE9	D1	28.87	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Neustadt.....	GE8	D1	32.46	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Nottawasaga.....	GS5	D1	22.50	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Orangeville.....	GE12	D1	132.77	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Owen Sound.....	GE2	D1	45.73	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Port Perry.....	GW12	D1	67.37	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Ripley.....	GE24	D2	99.10	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Sauble.....	GE46	D1	133.00	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Shelburne.....	GE10	D1	49.98	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
South Falls.....	GM1	D1	15.95	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Sparrow Lake.....	GW1	D1	74.26	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
Tara.....	GE15	D1	72.16	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Thornton.....	GS36	D1	17.80	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Tottenham.....	GS34	D1	28.27	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Utterson.....	GM8	D1	63.77	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Uxbridge.....	GW11	D1	77.51	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Wasaga Beach.....	G17	D1	28.19	1.00	1.75											4.5	1.5	10
Wroxeter.....	GE22	D1	87.13	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75

## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1940—Continued

Rural power district	Rural Rates																	Prompt payment discount
	Class	Miles of line	No. of consumers	1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Gross consumption charges			
				Gross monthly service charge to regular consumers												First energy rate†	Second Rate for all additional	
EASTERN ONTARIO SYSTEM																		
Alexandria	QL15	D1	74.68	314	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	cents	cents	%	
Arnprior	QM10	D1	70.00	612	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10
Belleville	QC38	D1	157.10	1,102	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	0.75	10
Bowmanville	QC23	D1	73.38	344	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	1.5	0.75	10
Brighton	QC6	D1	16.99	90	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10
Brockville	QL3	D1	182.39	1,243	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	10
Calabogie	QM13	D1	3.90	71	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10
Campbellford	QC11	D1	49.03	175	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10
Carleton Place	QH5	D1	49.86	170	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10
Chesterville	QL5	D1	172.27	885	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10
Cobourg	QC13	D1	207.31	992	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	0.75	10
Colborne	QC7	D1	92.97	462	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10
Cornwall	QL1	D1	46.31	121	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10
Fenelon Falls	QC30	D1	136.48	913	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10
Iroquois	QL9	D1	128.31	620	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10
Kemptville	QH9	D1	8.76	78	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	10
Kingston	QC44	D1	312.50	1,790	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10
Lakefield	QC18	D1	109.73	477	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10
Madoc	QC33	D1	59.63	190	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10
Marmora	QC47	D1	4.28	41	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10
Martintown	QL13	D1	76.31	379	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	10
Maxville	QL14	D2	228.53	1,134	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10
Millbrook	QC25	D1	52.02	236	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10
Minden	G37	D1	80.05	430	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10
Napanee	QC43	D1	288.41	1,277	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10

†See heading to first page of table.



## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1940—Continued

Rural power district	Rural rates																Prompt payment discount		
	Class.	Miles of line	No. of consumers	Gross monthly service charge to regular consumers														Gross consumption charges	
				1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	First energy rate†				
															Second rate‡	Additional rate§			
EASTERN ONTARIO SYSTEM—Continued																			
Nepean.....	QT1	276.72	1,773	\$ 1.11	1.11	1.11	1.11	1.11	\$ 1.11	1.56	2.50	2.78	2.78	\$ 3.33	3.33	cents 3	cents 0.75		
Newcastle.....	QC22	59.30	242	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75		
Norwood.....	QC31	52.07	258	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75		
Omemee.....	QC26	32.51	87	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	0.75		
Oshawa.....	QC24	221.01	2,431	1.00	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	0.75		
				†1.00	1.56	1.11	1.56		1.56	2.50	2.77	2.78	2.78	3.33	3.33				
Pembroke.....	QM30	22.06	88	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75		
Perth.....	QH2	96.37	422	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75		
Peterboro.....	QC20	134.59	1,615	0.63	1.11	0.79	1.11	1.11	1.11	1.56	2.01	2.57	2.78	3.33	3.33	4	0.75		
Prescott.....	QL2	77.91	387	+0.63	1.16	0.79	1.21	1.56	1.56	2.01	2.57	2.78	2.78	3.33	3.33	6	0.75		
Renfrew.....	QM16	58.88	354	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75		
				1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75		
Smiths Falls.....	QH3	117.15	742	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75		
Stirling.....	QC35	86.17	285	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	0.75		
Sulphide.....	QC34	98.59	369	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75		
Trenton.....	QC3	104.58	537	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	0.75		
Warkworth.....	QC49	21.06	77	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75		
Wellington.....	QC45	279.19	1,312	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75		
Williamsburg.....	QL7	57.08	279	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75		

## EASTERN ONTARIO SYSTEM—Continued

Total, Eastern Ontario system 4,494.44 25,404. \*See footnote on page 51. †Summer cottage rates. ‡See heading on first page of table.

## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1940—Concluded

Rural power district	Rural rates													Prompt payment discount						
	Class.....	1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Gross consumption charges							
															Property number	Miles of line	No. of consumers	Gross monthly service charge to regular consumers	First energy rate†	Second rate for all additional

## THUNDER BAY SYSTEM

Nipigon.....	P6 D1	5.60	14	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	cents	cents	cents	%
Thunder Bay.....	P10 D1	270.19	1,126	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	0.75	10
Total, Thunder Bay system.....		275.79	1,140	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	0.75	10

## NORTHERN ONTARIO PROPERTIES

Connaught.....	XA22 D1	41.50	144	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	0.75	10
Crystal Falls.....	XS7 D1	.....	.....	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	0.75	10
Kapuskasing.....	XA14 D1	.....	637	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	0.75	10
Manitoulin.....	XM1 D1	141.55	.....	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	0.75	10
North Bay.....	XZ4 D1	31.80	681	0.87	1.11	1.01	1.11	1.11	1.11	1.56	2.17	2.68	2.78	3.33	6	2	0.75	10
Powassan.....	XZ8 D1	54.29	183	+0.87	1.38	1.01	1.38	1.44	1.11	1.56	2.17	2.68	2.78	3.33	6	2	0.75	10
Rainy River.....	XR1 D1	.....	.....	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	0.75	10
Sudbury.....	XS5 D1	25.85	1,119	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	5.5	2	0.75	10
Teck.....	XA16 D1	5.60	19	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	0.75	10
Total, Northern Ontario Properties		300.59	2,783	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	0.75	10

Total, Northern Ontario Properties 300.59 2,783

†Total, all systems: Miles of line, 19,492.08. Number of consumers, 123,022. ¶This total includes 240.97 miles of primary line under construction on October 31, 1940, and service to 664 new consumers was not completed until the end of the fiscal year.

\*See footnote on page 51. †See heading to first page of table.

## SECTION IV

### SALES PROMOTION

**I**N last year's report an outline was given of the changing circumstances connected with the Commission's growth and available power supplies which recently made it profitable to establish a Sales Promotion department.

Before the first year's work of the newly-formed department was completed the war had begun to change the situation again and sales promotion activities were necessarily modified to meet the new conditions.

Ontario's position as the chief industrial province of the Dominion gave added importance to the industrial and lighting services of the Commission in connection with war activities and stress was laid on assisting industry to use electrical energy in the most efficient manner and to use more of it wherever such use would contribute to greater production or better products.

This advisory service was welcomed by the municipal utilities and by industrial consumers and has assisted them to make advantageous changes in equipment or methods.

In the rural power districts effort was made to foster those uses of electricity on the farm and in rural industries that would release man-power and enable the farmer to produce greater volume at lower cost.

#### Industrial Work

Co-operating with the municipal Hydro utilities a total of 869 calls were made on 377 industrial plants. On the initial calls the service offered by the Commission was explained; on subsequent calls detailed attention was given to plant operations which usually resulted in suggestions for improvements to operating conditions or practice. In some plants complete surveys were made and recommendations submitted. Where the suggestions in these reports were adopted gains up to 30 per cent of efficiency in motor loading and up to 10 per cent in plant power factor were frequently made.

New tools and processes have been introduced and tried out in industrial establishments. An interesting example is the use of infra-red lamps for drying and baking processes. With the co-operation of the Commission's laboratories testing equipment has been provided and Hydro consumers



may now, at a reasonable cost, have their processes analysed to determine whether the use of these new developments would be profitable.

#### **Domestic and Rural Activities**

Co-operation with municipal Hydro utilities has been given to encourage further domestic use. Hydro Homemaker Forums were conducted in 48 municipalities, with a total of 102 sessions. The gross attendance at these schools was 39,400, or an average of 387 per school.

In the rural areas, the Hydro Display Coach was shown in 31 rural centres to a total of 12,200 consumers, and prospective users. This travelling display was also used to advantage at 15 Fall Fairs before an estimated total audience of 20,000 people.

#### **Lighting**

A substantial increase in lighting advice service was recorded. The most insistent demands for this service came from industries being adapted to war work and from schools.

The necessity for good lighting for efficient war material production is well recognized. Many problems in industrial lighting were solved during the year; most of them on an emergency basis requiring fast service. A total of 65 industrial establishments for war supplies were given lighting surveys followed by recommendations for improved lighting equipment.

Improvements in lighting and wiring followed reports on 268 schools, most of which adopted the suggestions made. The interest of rural school boards has been exceptional, and has resulted in the installation of adequate lighting in a large number of country schools.

During the year, the Lighting section issued 833 reports, with a recommended increase in lighting load of 5,905 kilowatts.

#### **Advertising**

The Commission's advertising programme, following that established in the previous year, was divided into four different classifications: institutional, domestic, rural and industrial.

A type of institutional advertising copy was inaugurated dealing with the work of Hydro and electric power supply in aid of the war effort, and emphasizing its vital and important position. In the industrial advertising field, stress was laid on new applications of electricity, and on the value of adequate lighting to munition industries.

The media selected for this advertising campaign were such as to ensure maximum coverage at lowest cost. An analysis of circulation of the various publications used assures that the advertisements reached nearly every home, farm, and industry in the Province.

A number of bulletins and pamphlets were prepared and issued, dealing with domestic and rural applications. These were advantageously used by municipal Hydro utilities to develop increased uses of energy in these markets.





### **Sales of Lamps and Equipment**

The sale of electrical supplies and equipment including water heater material, to Hydro municipal systems has amounted during the year, to a total of \$414,676, an increase of \$180,900 over the previous year. The distribution of Hydro lamps to Hydro systems was well maintained, and the total sales during the year show a substantial increase.

### **General Comments**

Since the work of the Sales Promotion department has been so largely concentrated on assisting war services, it is difficult to enumerate the load increases attributable directly to sales promotion activities. However, it can confidently be stated that an increase in energy supply of 25,000,000 kilowatt-hours resulted, providing a continuing annual increase in revenue of approximately \$375,000 to the municipal systems.

During the coming year, the war service work will be continued and augmented.



## SECTION V

### HYDRAULIC ENGINEERING AND CONSTRUCTION

**D**URING 1940 the situation respecting power supplies to meet growing Hydro loads made it necessary to do preliminary work on certain new developments and to investigate other power sources. At the Ear Falls development in the Patricia-St. Joseph district of northern Ontario, No. 3 unit was completed. In July, work commenced on the construction of the Big Eddy development on the Musquash river to serve the Georgian Bay system, and in September the Barrett Chute development on the Madawaska river to serve the Eastern Ontario system was started.

#### NIAGARA SYSTEM

Hydraulic engineering investigations and studies in connection with potential sources of additional power for the Niagara system were chiefly concerned with two matters—the proposed peak load plant at DeCew Falls and the diversion of northern waters to the Great Lakes.

##### **DeCew Falls Peak Load Plant**

The existing DeCew Falls plant, which supplies power to the Dominion Power and Transmission division of the Niagara system, has a capacity of about 50,000 horsepower, generation being at a frequency of 66-2/3 cycles. The plant supplies power to a number of municipalities in the Niagara peninsula, and is necessarily separate from the 25-cycle supply also given in that district. The D. P. and T. division is connected with the 25-cycle system by a frequency-changer set at Niagara Falls, through which a peak supply of about 10,000 horsepower may be introduced into the division to supplement the output of the DeCew Falls plant.

During recent years, many municipalities and customers formerly supplied at a frequency of 66-2/3 cycles have been transferred to the 25-cycle system, but the natural load growth of the remaining customers in the D. P. and T. division has been approximately equal to the reduction effected by these transfers. It is necessary, therefore, to maintain the present plant in operation while the proposed new plant is being built.

The DeCew Falls plant receives its water supply from lake Erie through the Welland ship canal, and has large storage basins to enable the uniform supply from the canal to be used at a varying rate suited to the fluctuating daily load demands in the division. Prospective increases in the peak-load demands on the 25-cycle system and the probability that additional supplies of water would be made available for generation of power in the locality have prompted a series of investigations of the manner in which an extension or reconstruction of this plant might be used effectively in the 25-cycle system. The problem is complicated considerably by the high state of development of the terrain through which structures and channels for the conveyance of water must be built, and also by the necessity of maintaining the present plant in service for some time.

The investigations indicate that it may be possible ultimately to build a plant here having a peak capacity of 200,000 horsepower in four 25-cycle units of 50,000 horsepower each, involving the discontinuance of 66-2/3-cycle generation in the final stage. It is probable that the capacity of storage basins will be increased somewhat and that, for the complete development, extensive works will be required in Twelve Mile creek and in the old Welland canal from St. Catharines downstream, through which the water discharged from the plant must flow to reach lake Ontario.

At the Queenston plant a programme of work on the cliff to provide effective protection to the plant has been instituted. Cyclopean rip-rap was placed to protect the bank of the Niagara river along the power-house railway, some distance downstream from the power house.

#### Long Lake and Ogoki Diversions

The Long Lake diversion project was used in 1940 for the transportation of pulpwood from the Kenogami watershed to lake Superior. Following the understanding reached with the United States respecting the use of waters to be diverted into the Great Lakes by Canada, the diversion of the flow of a part of the Kenogami river to the Great Lakes system, via Long lake, was brought into operation. Careful consideration has been given to the procedure to be used for accurately measuring the amount of water diverted.

Surveys, investigation of foundation conditions and office studies were continued in connection with the Ogoki diversion project, and preliminary designs have proceeded to the extent necessary to permit commencement of construction of the works required for the project.

### GEORGIAN BAY SYSTEM

The load demands of this system have continued to grow rapidly and, in spite of the installation last year of a second frequency-changer set at Hanover, having a capacity of 7,250 kilowatts, it became necessary to commence construction of a second plant on the Musquash river. Between lake Muskoka and Georgian bay there are on the Musquash river five possible power concentrations. One at Bala is partially developed at present, a second at Ragged Rapids was completed during 1938, and construction has commenced at the third at Big Eddy, about four miles below Ragged Rapids.



#### DECEW FALLS DEVELOPMENT

Valley of Twelve Mile Creek, the tailrace channel of the development; showing St. Catharines beyond Glen Ridge bridge



#### BIG EDDY DEVELOPMENT — MUSQUASH RIVER

Power-house excavation at Big Eddy pool—December 3, 1940



### Big Eddy Development

The Big Eddy plant will operate under a head of about 36 feet,—the headwater approximating the tailwater level at Ragged Rapids—and will contain two generating units, the turbines being of the propeller type with a rated capacity of 4,950 horsepower each. Work commenced in July 1940, the first item of construction being a roadway, about four miles long, from the Ragged Rapids development to the area close to the new power-house site. By the end of the fiscal year, temporary camps had been constructed at Big Eddy, and earth and rock excavation for the canal and for the power house had commenced.

Certain studies were made concerning possible future developments at other sites on the South Muskoka and Musquash rivers.

## EASTERN ONTARIO SYSTEM

### Barrett Chute Development

Major activities in the Eastern Ontario system were in connection with the development commenced at Barrett Chute on the Madawaska river. Barrett Chute is one of seven new developments projected on this river, and is situated immediately above Calabogie lake about 31 miles from Arnprior. The development will concentrate at this point a total fall of 154 feet occurring under natural conditions in some five miles of the river, and will comprise a concrete dam across the river channel above High falls and a power canal, 38 feet wide and 2,000 feet long, extending from the pool above the dam to headworks some 600 feet from the shore of Calabogie lake. From the headworks, two steel penstocks, 14 feet in diameter and 550 feet in length will extend to two units in the power house, each having a rated turbine capacity of 28,000 horsepower, giving a plant rating of 54,000 electrical horsepower. The turbines will have single, vertical, Francis type runners in steel-plate casings, and discharge through elbow-draft tubes. They will run at 164 r.p.m. and generate their rated output under a head of 150 feet.

At the same time as the development is under construction, storage facilities on the river will be increased by building a concrete and earth fill dam at Bell rapids to raise the level of Bark lake some 25 feet and to provide storage capacity therein for 215,000 acre-feet, which may later be increased to 270,000 acre-feet by raising the lake an additional five feet.

Before a decision was made as to the appropriate capacity for the Barrett Chute plant and the required increase in storage facilities, a thorough study was made of the relation of the Madawaska sites to the rest of the Eastern Ontario system and, in fact, their place in the power supply for the whole of southern Ontario. These investigations indicated that it was feasible and desirable to provide for capacities at the various sites on the river considerably greater than those which would be warranted if they were isolated from other power sources.



**BARRETT CHUTE DEVELOPMENT — MADAWASKA RIVER**

The chute on the Madawaska River from which the development derives its name



**BARRETT CHUTE DEVELOPMENT — MADAWASKA RIVER**

Canal excavation, near canal intake — December 14, 1940



The Eastern Ontario system which operates at 60 cycles receives its power supply, in part, from hydro-electric developments on the Trent, Mississippi, Madawaska and other rivers; in part, from Quebec power sources by purchase; and, in part, also from the 25-cycle Niagara system through the Chats Falls frequency-changer. Investigations indicated that it would be advantageous to conserve the water stored in the Madawaska storage basins through certain of the spring, summer and early fall months by transferring through the frequency-changer at Chats Falls a larger amount of power than has been customary in the past, in those months when surplus capacity exists in the Niagara system.

As an isolated plant, the Barrett Chute development would probably be capable, with suitable storage facilities, of carrying a load of 36,000 horsepower. Because of the variation in load demands throughout the year and the arrangements for transfer of power from one system to another, it was determined that the optimum capacity for the site was about 54,000 horsepower. The economic capacity of other sites on the river is similarly increased over that anticipated some years ago, when the river was studied separately. Upon the complete development of the river, an additional supply of approximately 150,000 horsepower will be obtained from six sites at present undeveloped. Additional storage of some 200,000 acre-feet will also ultimately be constructed.

Construction commenced on the Barrett Chute development in September 1940, the first work being the betterment of an existing road and the building of approximately three miles of new road between Calabogie and the power site. By the end of the calendar year the road to the site was completed, temporary camps were being erected, and earth excavation had commenced. At the same time, some of the preliminary work had begun on the improvement of the road from Barry bay to the Bark lake dam.

Preliminary studies were made in connection with other power sites on the Trent and Mississippi rivers.

### THUNDER BAY SYSTEM

In the Thunder Bay system work was confined to field investigations of the flow of the Nipigon river; estimates and studies of additional installations at Cameron Falls and Alexander plants; a new development at Pine Portage and other sites, and the relation of the proposed Ogoki diversion to these sites.

### NORTHERN ONTARIO PROPERTIES

#### Sudbury and Nipissing Districts

Field investigations were made of the flow in the Sturgeon and Wanapitei rivers, with a view to improving the efficiency of the use of water at the Crystal Falls plant on the former, and at the Coniston, Stinson and McVittie plants on the latter. In the case of the Wanapitei river plants, the investigations had also in mind the possible increase in capacity of the plants by reconstruction of certain units and installation of additional units.





BARRETT CHUTE DEVELOPMENT — MADAWASKA RIVER

Power-house site in foreground, on shore of Calabogie Lake



UNDEVELOPED POWER SITE ON FRENCH RIVER

Looking downstream past middle pool, to lower obstruction at power-house site

### Abitibi District

Surveys in considerable detail were made for a power site at Five Mile rapids on the French river. At this site a head of about forty feet may be developed, the forebay at the proposed development being slightly below the level of lake Nipissing. The survey included the taking of topography along the intricate courses of the river from the power site to lake Nipissing and, in greater detail, at power-house and dam sites. Continuous records of water levels were obtained at certain key points for the determination of hydraulic gradients and flow distribution in the various channels.

The French river site has certain advantages if used in connection with the 25-cycle Abitibi district, as it will be possible to draw on the water stored in lake Nipissing, through those months when the water supply in the Abitibi river is deficient. Used thus, as an integral part of the Abitibi district, the site may be developed for possibly 25,000 horsepower. Its capacity, if used independently or as a part of the 60-cycle Sudbury district, would be very much less than this.

Surveys and studies continued in connection with power sites on the Mississagi river.

### Patricia-St. Joseph District

At the end of 1939, the third unit in the Ear Falls plant was approaching completion; it was brought into service in January 1940. The new unit consists of a vertical turbine, rated at 7,500 horsepower at 36 feet of head, with automatically adjustable blade runner of the Kaplan type, directly connected to a 6,000-kv-a. generator. The Ear Falls plant, which is described in some detail in the last Annual Report, now has an installed capacity of 17,500 horsepower.

Preliminary investigations were also made in connection with the Manitou Falls power site some fifteen miles downstream from Ear Falls plant, and on possible channel improvements at Manitou chutes lying between the two power sites.

## HYDRAULIC INVESTIGATIONS

The growth in the number of water power developments owned and operated by the Commission; the more complete utilization of the individual sites; the development of additional storage and particularly the interconnection of developments on different watersheds have made the collection and analysis of hydrometric data of much greater importance and value. Systematic collection and study of data relating to the flow of streams, the topography, forest cover and storage possibilities of their watersheds and detailed information respecting lakes and power sites, is essential to the efficient operation of existing power plants and the most economical design of future developments. To be of maximum value these data must extend continuously over many years. Their lack is a serious handicap. The Commission has given increasing attention to this matter during recent years as a routine administrative feature of its Hydraulic Engineering department.

## SECTION VI

### ELECTRICAL ENGINEERING AND CONSTRUCTION

CONSTRUCTION work proceeded on an extensive scale in the co-operative systems during 1940 and was also active in the Northern Ontario Properties. The rapid growth in industrial load originating with the production of munitions and other war necessities, together with a growth in domestic and commercial demand stimulated by these activities, required engineering studies and careful planning for efficient power supply. This planning involved the rearrangement of certain distributing circuits and the advance purchase of transformers and oil circuit-breakers which require considerable time to produce, in order to ensure availability of such equipment for war load installations which in many cases are of an emergent nature.

At the end of this section is given a tabulation of the transformer and distributing stations where major construction work affecting the transformer capacity was undertaken and to a large extent completed during the fiscal year. At other stations similar work is under way and scheduled for completion in 1941.

Besides changes in transformer capacity important work of a less extensive nature in both the generating and transformer stations of the Commission was carried out where required, such as the installation of additional switching equipment, improved relaying and protective equipment and larger capacity metering equipments.

Transmission line construction in 1940 centred around the industrial communities of southern Ontario. In the previous year it had centred around the mining communities of northern Ontario. In all, 281 miles of new transmission lines were placed in service and extensive revisions and improvements were made in existing lines.

The largest single item of transmission line expenditure was on the 220,000-volt steel tower line from the Ontario-Quebec boundary near the St. Lawrence to serve the Toronto and Hamilton areas. This line was 40 per cent completed in 1940 and is scheduled to be placed in service in 1941.

Two maps at the back of this report show the transmission lines and stations of the Commission in the co-operative systems and Northern Ontario Properties. A tabulation of transmission line mileage placed in service

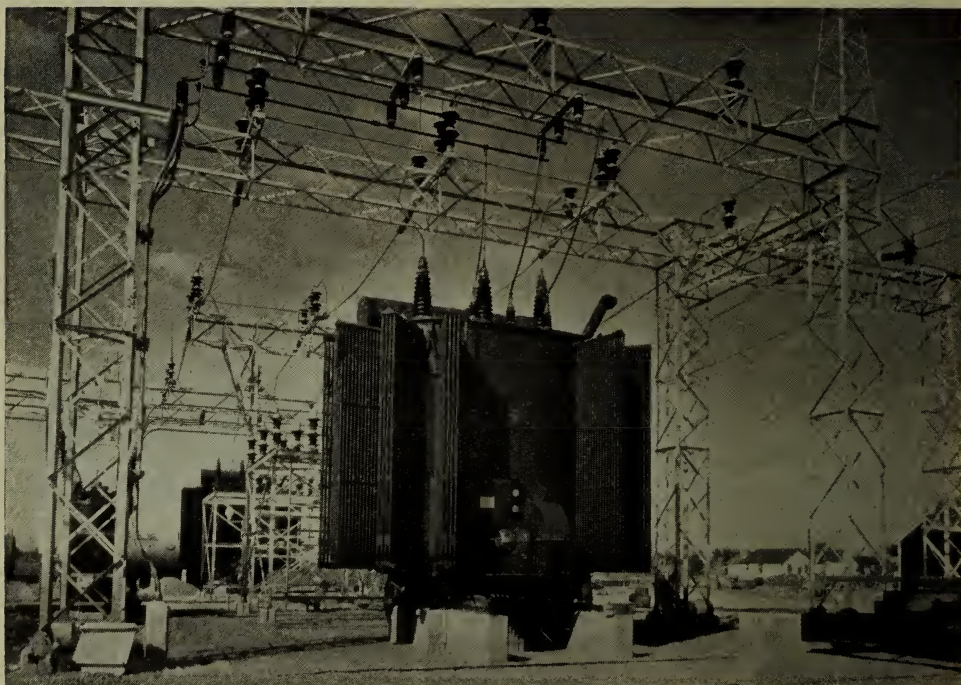


during the fiscal year is given at the end of the section, together with a brief summary of the more important projects completed during the year.

#### Co-operative Systems

On the Niagara system the three transformer stations under construction in 1939 were completed and placed in service during the year. One of these is Toronto Fairbank, a 50,000-kv-a transformer station located in the northwest section of the city; another is Allenburg transformer station, 67,500-kv-a capacity and located at Ontario Paper Company's plant at Thorold; the third is Norfolk transformer station, 6,000-kv-a capacity, near Simcoe.

Among the transformer stations included in the tabulation but which were not completed in 1940 is one being constructed at Burlington for the supply of additional power to the Niagara system at 110,000 volts from sources in Quebec and eastern Ontario over 220,000-volt circuits. Designs are being prepared for a station with an ultimate capacity of 450,000 kv-a. The site has been purchased and construction work was started in November 1940. Most of the equipment for the initial installation has been purchased and is expected to be placed in service by June 1941. This initial installation will consist of two 75,000-kv-a transformer banks with a spare unit and two voltage-regulators. The transformers are rated 25,000-kv-a, 25-cycle, single-phase 220,000/110,000/13,200-volt, forced-air-cooled and the voltage-



TORONTO-FAIRBANK TRANSFORMER STATION

Showing No. 2 transformer, capacity 25,000 kv-a



TRANSMISSION LINES — NIAGARA SYSTEM

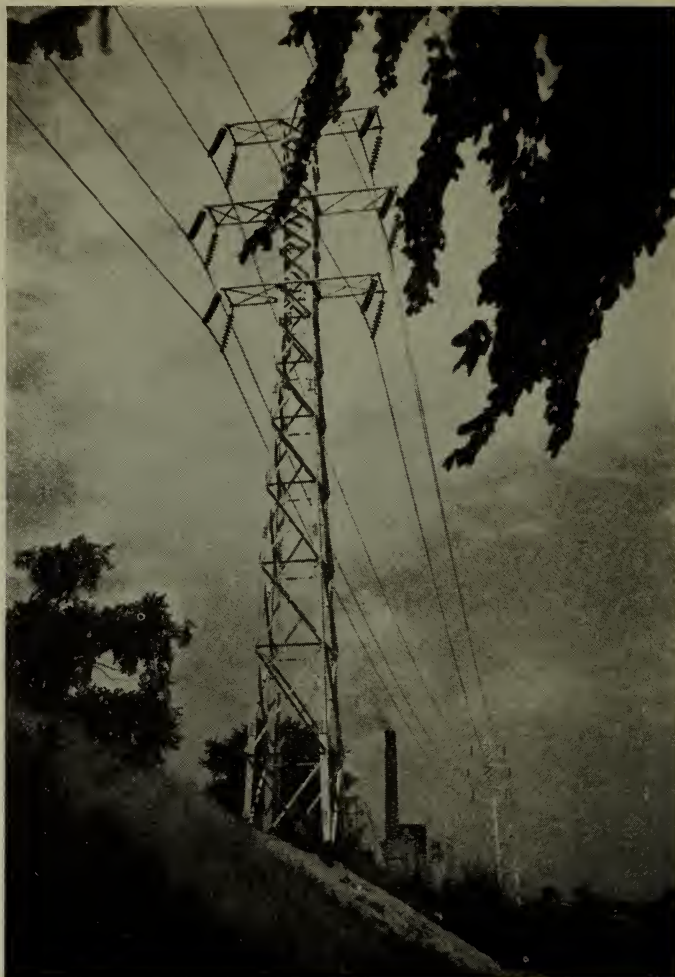
Standard and transposition towers on 110,000-volt line from  
St. Thomas to Windsor

regulators are rated 75,000-kv-a (circuit-capacity), 25-cycle, three-phase, 110,000-volt, self-cooled, for a maximum voltage regulation of 15 per cent.

At Hamilton a two unit 50,000-kv-a transformer station similar to Toronto-Fairbank is under construction. One of the units has already been placed in service. Additional transformer capacity was installed and placed in service at Toronto-Bridgman, St. Thomas, St. Clair, Brant and Woodstock transformer stations.

In July 1940, the new 110,000-volt single-circuit line on steel towers between St. Thomas and Windsor, 103 miles, was placed in service. This line, which has a capacity equal to the other two existing lines on double-circuit towers, has greatly improved operating conditions of the western section of the Niagara system.





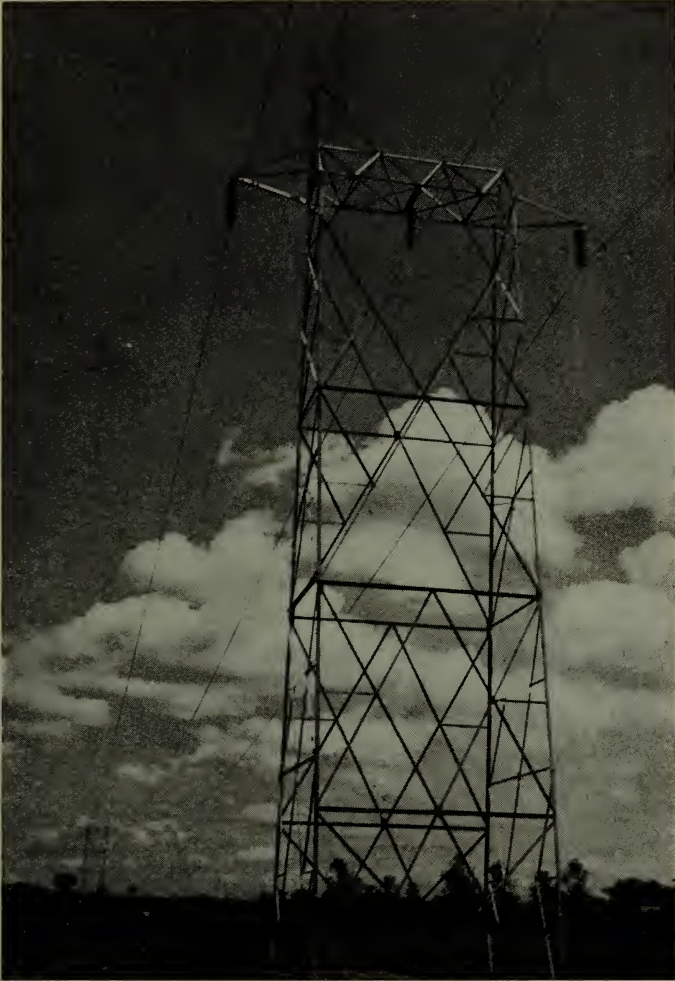
TRANSMISSION LINES IN TORONTO — NIAGARA SYSTEM

Narrow-base towers on 110,000-volt line from St. Clair Avenue junction to Toronto-Fairbank transformer station

Substantial progress was made on the construction of a new 220,000-volt line which, when completed, will extend from the eastern boundary of the Province, the Quebec border, to the new transformer station at Burlington. At the end of the fiscal year about 150 miles of towers and footings had been erected and 75 miles of steel-reinforced aluminum conductor had been strung.

In the Georgian Bay system at Hanover frequency-changer station an additional frequency-changer of 6,750 kv-a capacity was installed. It is operated in parallel with the original 5,000-kv-a unit for the interchange of power with the Niagara system. Two 5,000-kv-a generating units have been purchased for the power development now under construction at Big Eddy on the Musquash river. A 6,000-kv-a distributing station was in-





TRANSMISSION LINES — EASTERN ONTARIO SYSTEM  
Standard tower on 110,000-volt line from Frontenac to Sidney

stalled and a 37-mile high-voltage transmission line was constructed for the supply of power to a munitions plant. Increased transformer capacity was provided in 12 distributing stations.

In the Eastern Ontario system a new 3,000-kv-a transformer station was constructed to supply power to the National Research Council at Ottawa, and an adjacent rural power district. The capacity of the Ottawa transformer station was increased by the installation of an additional bank of three 5,000-kv-a transformers, and additional transformer capacity was provided at many distributing stations. Many sections of the high-voltage network were strengthened by the construction of new lines and the rehabilitation of certain sections.

### Northern Ontario Properties

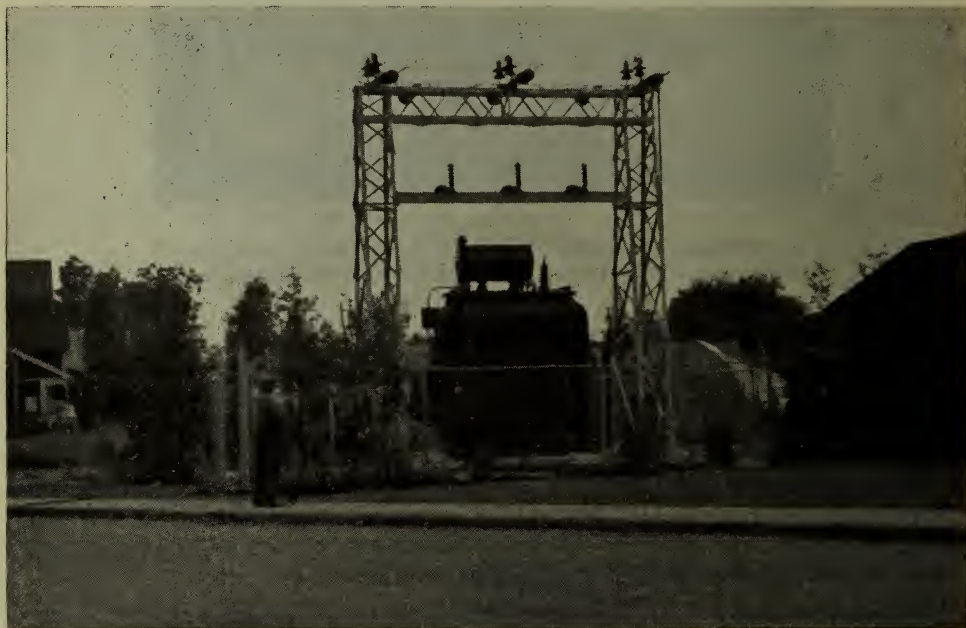
The third generator unit, 6,000-kv-a capacity, was placed in service at Ear Falls development in the Patricia district. Additional transformer capacity was installed at Ramore, Timmins, Larder Lake and Pamour transformer stations in the Abitibi district. The re-insulation of the transmission circuit from Crystal Falls generating station to Coniston generating station for 110,000-volt service was completed and an 8,000-kv-a, 3-phase step-up transformer installed at each end to effect a tie-in to the original circuits. More than 43 miles of transmission circuits were erected throughout the various districts.

### Rural Power Districts

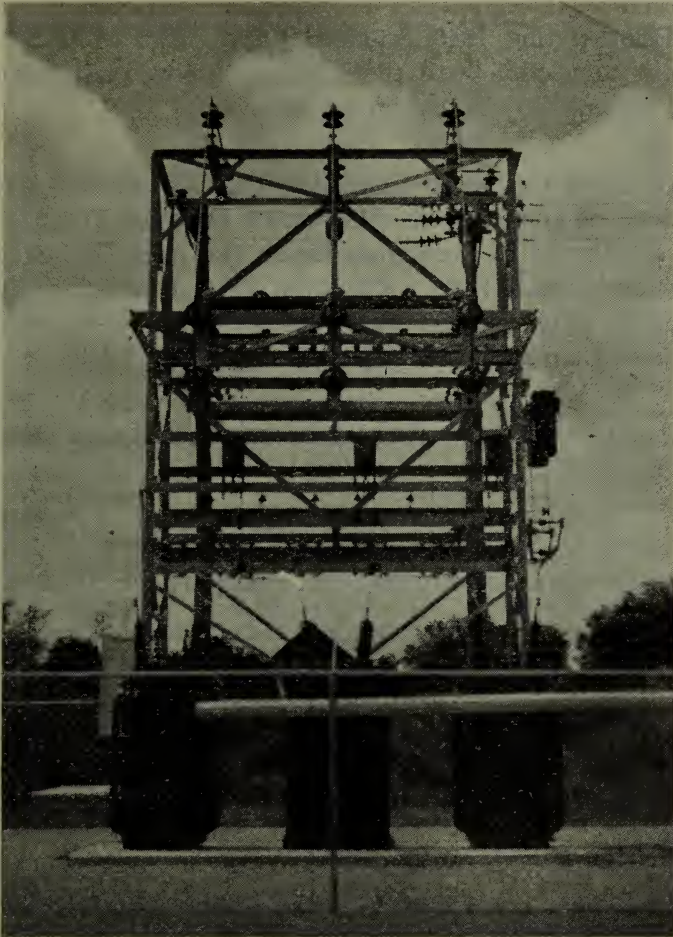
The rural power lines throughout all the systems were extended approximately 1,550 miles for the supply of power to the rural districts; 570 miles of these extensions were in Niagara system; 366 miles in Georgian Bay system; 405 miles in Eastern Ontario system; 82 miles in Thunder Bay system and 127 miles in Northern Ontario Properties.

### Office Building

Ten additional office floors and two penthouse floors were added to the Commission's six-storey office building on University avenue, erected in 1934. The enlarged office space will relieve the crowded condition that



DISTRIBUTION STATION NO. 3 — EAST YORK  
A unit type station with site improvements



RURAL DISTRIBUTION STATION — PERTH  
A standard rural type station

exists in the present offices and accommodate that portion of the head-office staff that has been housed in other buildings. The construction work was started in March and will be completed early in 1941. Most of the staff will, however, be in their new quarters by December 1940.

#### Distribution Lines

At the end of this section is a tabulation of the mileage of distribution lines constructed by the Commission in rural power districts, and the number of consumers served. The capital investment in these rural power districts at October 31, 1940, was approximately \$36,600,000.



In addition to the extensions in connection with rural electrical service, the Commission during 1940 extended power lines to serve aerodromes established in connection with the Empire training plan and constructed distributing systems on the aerodrome sites.

The lighting of the Queen Elizabeth dual highway was extended. Installations were completed from the western limits of Toronto to Brown's Line, from Burlington to Burlington Beach and from Burlington Beach to the vicinity of Niagara Falls. The total mileage added during the year was 41.6 miles. Construction work was also commenced on the 16-mile section between Oakville and Hamilton.

A number of highway traffic signals were installed in various parts of the Province.

TRANSFORMER CHANGES COMPLETED DURING YEAR ENDED OCT. 31, 1940

And Some of Special Importance Under Construction

Installed transformers									Removed transformers		
Stations			No	Kv-a	Ph	Total kv-a	From	In service	No	Kv-a	To
Niagara System											
N31	Toronto-Bridgman	T.S.	3	10,000	1	30,000	1-spare 2-new	Feb. 2, '40	...	...	...
N10	Woodstock	T.S.	3	2,500	1	7,500	Brant	Sept. 10, '40	3	1,250	Reserve
N11	St. Thomas	T.S.	3	2,500	1	7,500	St. Thomas	Oct. 31, '40	3	2,500	Woodstock
N12	Brant	T.S.	3	5,000	1	15,000	Woodstock	Oct. 31, '40	3	2,500	St. Thomas
N18	St. Clair	T.S.	3	5,000	1	15,000	2-reserve 1-new	Oct. 31, '40	3	2,500	Reserve
N49	Allenburg	T.S.	3	22,500	1	67,500	New	Aug. 24, '40	3	2,850	Woodstock
N22	Norfolk	T.S.	1	6,000	3	6,000	New	Dec. 24, '39	...	...	...
N35	Toronto-Fairbank	T.S.	2	25,000	3	50,000	New	Jan. 28, '40	...	...	...
N24	Hamilton-Gage	T.S.	1	25,000	3	25,000	New	Sept. 8, '40	...	...	...
			1	25,000	3	25,000	Reserve	Aug. 19, '40	...	...	...
NA39	Burlington	T.S.	6	25,000	1	150,000	Reserve	1941	...	...	...
CS121	Chemical Con. Corp.	D.S.	1	300	3	300	New	Aug. 12, '40	...	...	...
			1	1,500	3	1,500	Reserve	Sep. 18, '40	...	...	...
				1,800		1,800					
N234	Lynden	D.S.	3	150	1	450	Reserve	Jan. 30, '40	3	75	Reserve
N237	Caledonia	D.S.	1	300	3	300	Reserve	June 27, '40	...	...	...
N332	Agincourt	D.S.	3	250	1	750	Reserve	Aug. 11, '40	...	...	...
N336	Thornhill	D.S.	3	250	1	750	Reserve	Oct. 24, '40	...	...	...
N339	deHavilland	D.S.	3	500	1	1,500	New	Aug. 25, '40	...	...	...

TRANSFORMER CHANGES COMPLETED DURING YEAR ENDED OCT. 31, 1940

And Some of Special Importance Under Construction—Continued

Installed transformers							Removed transformers		
Station	No	Kv-a	Ph	Total kv-a	From	In service	No	Kv-a	To
<b>Niagara System</b>									
—Continued									
N354 East York No. 1	D.S. 1	1,875	3	1,875	New	Apr. 26, '40			
N356 East York No. 3	D.S. 1	1,875	3	1,875	New	Apr. 25, '40			
N334 Fallingbrook	D.S. 1	1,500	3	1,500	New	May 9, '40			
N348 Glencairn	D.S. 1	1,500	3	1,500	New	June 20, '40			
N442 Ailsa Craig	D.S. 3	150	1	450	Dashwood	June 9, '40	3	75	Reserve
N446 Dashwood	D.S. 3	250	1	750	Reserve	May 2, '40	3	150	Ailsa Craig
N439 Dorchester	D.S. 3	250	1	750	Woodstock	Nov. 27, '39	3	150	Reserve
N4D34 Strathroy	R.S.	Dism ant led			R.S.	Aug. 25, '40	3	75	Reserve
N445 Strathroy	D.S. 3	200	1	600	New	Aug. 25, '40			
N834 Dublin	D.S. 2	75	3	150	Reserve	June 2, '40	1	50	Reserve
N820 Goderich (Dep.of Nat.Def.)	R.S. 3	200	1	600	New	Oct. 29, '40			
N849 Goderich	R.S.					Oct. 29, '40	3	75	Reserve
N1033 Embro	D.S. 3	200	1	600	New	Sep. 12, '40	3	75	Reserve
N1139 Shedden	D.S. 3	333	1	1,000	New	Sep. 15, '40	1	300	Reserve
N1220 Brantford (Dep.of Nat.Def.)	D.S. 3	300	1	900	Reserve	Sep. 8, '40			
N1233 Dumfries	D.S. 1	75	1	75	Reserve	June 3, '40			
N1244 Vittoria	D.S. 1	150	3	150	Reserve	Dec. 21, '39			
N15D31 Walkerville, Jct.	D.S. 3	500	1	1,500	New	Jan. 27, '40	3	250	Bartonville
N1635 Bolton	D.S. 3	150	1	450	Reserve	Aug. 25, '40			
N1652 Kingsway	D.S. 1	1,500	3	1,500	New	1941			
N1748 Bartonville	D.S. 3	250	1	750	Walkerville Jct.	Apr. 19, '40			
N1745 Grimsby	D.S. 3	500	1	1,500	New	June 12, '40			
N1747 Smithville	D.S. 3	150	1	450	New	May 31, '40			
ND24 Ancaster	D.S.	Dism an tled				May 1, '40	3	300	Reserve
N4331 Port Colborne	D.S. 1	3,000	3	3,000	Reserve	Oct. 21, '40	1	1,500	Dunnville
N29 Welland	D.S. 1	3,000	3	3,000	New	May 25, '40			
<b>Georgian Bay System</b>									
G35 Bala	D.S. 3	150	1	450	Bala, G.S.	Aug. 1, '40	3	150	Southampton
		500	1	1,500	New	Aug. 1, '40			
G23 Camp		250	1	750	New	June 7, '40			
Borden No. 2	D.S. 3	667	1	2,000	New	Oct. 3, '40	3	250	Reserve
GE13 Grand Valley	D.S. 3	100	1	300	Mt. Forest	June 23, '40	3	75	Waubauskene
GE9 Mt. Forest	D.S. 3	250	1	750	New	Jan. 7, '40	3	100	Grand Valley
GE2 Owen Sound	D.S. 3	1,000	1	3,000	New	Mar. 28, '40	3	550	Reserve
GE44 Port Elgin	D.S. 3	250	1	750	Stayner	Aug. 30, '40	3	100	Reserve
GE35 Southampton	D.S. 3	150	1	450	Bala	Aug. 26, '40	3	100	Reserve
GE34 Tara	D.S. 3	50	1	150	Waubauskene	Aug. 1, '40	1	75	Reserve
GS10 Stayner	D.S. 3	667	1	2,000	New	Aug. 1, '40	3	250	Port Elgin
GS34 Tottenham	D.S. 1	200	3	200	New	Aug. 11, '40	1	75	Reserve
GS18 Waubauskene	D.S. 3	75	1	225	Grand Valley	July 11, '40	3	50	Tara

## TRANSFORMER CHANGES COMPLETED DURING YEAR ENDED OCT. 31, 1940

## And Some of Special Importance Under Construction—Concluded

Installed transformers							Removed transformers		
Station	No	Kv-a	Ph	Total kv-a	From	In service	No	Kv-a	To
<b>Georgian Bay System</b>									
—Continued									
GS2031 Big Chute D.S.	2	100	1	200	New	Aug. 9, '40	1	100	Reserve
GW3 Cannington D.S.	3	150	1	450	Reserve	1941	3	100	Reserve
G1501 Can. Ind. Ltd. Nobel Stn. D.S.	2	3,000	3	6,000	New	June 23, '40	...	...	...
G36 Hanover F.C.S.	1	8,000	3	8,000	New	Sep. 2, '40	...	...	...
G36 " "	3	2,500	1	7,500	New	Sep. 2, '40	...	...	...
<b>Eastern Ontario System</b>									
Q1 Ottawa T.S.	3	5,000	1	15,000	New	Mar. 3, '40	...	...	...
Q16 National Research Ottawa T.S.	3	1,000	1	3,000	New	1941	...	...	...
QCD31 Colborne R.S.	3	100	1	300	Reserve	Feb. 4, '40	3	50	Reserve
QC13 Cobourg D.S.	1	750	3	750	Reserve	Sep. 1, '40	...	...	...
QCD31 Cobourg R.S.	3	333	1	1,000	New	Aug. 11, '40	3	100	Reserve
QC32 Deloro D.S.	3	500	1	1,500	New	May 12, '40	3	250	Reserve
QC94 Northbrook D.S.	1	500	1	500	Reserve	Feb. 20, '40	...	...	...
QC45 Wellington D.S.	1	750	3	750	Reserve	June 17, '40	1	300	Reserve
QH9 Kemptville D.S.	1	600	3	600	Reserve	Oct. 10, '40	1	300	Reserve
QL6 Cornwall (Howard Smith Paper Co.) D.S.	1	3,000	3	3,000	Reserve	April 7, '40	...	...	...
Q3731 Minden D.S.	3	75	1	225	Reserve	June 11, '40	3	37-½	Reserve
QH16 Perth R.S.	2	100	1	200	Reserve	July 3, '40	...	...	...
QL28 Winchester No. 2 D.S.	3	100	1	300	Reserve	Oct. 24, '40	...	...	...
QC70 Napanee R.S.	3	250	1	750	New	Jan. 3, '40	3	100	Reserve
QL18 Farrans Pt. D.S.	1	50	3	50	New	Feb. 3, '40	...	...	...
<b>Northern Ontario Properties</b>									
FS1 Conniston G.S.	1	8,000	3	8,000	New	Mar. 31, '40	...	...	...
FS7 Crystal Falls G.S.	1	8,000	3	8,000	New	Mar. 31, '40	...	...	...
FA18 Ramore T.S.	3	1,500	1	4,500	Reserve	Apr. 7, '40	1	1,000	Reserve
FA19 Timmins T.S.	...	...	...	...	...	Jan. 10, '40	6	1,500	Reserve
FA21 Larder Lake T.S.	3	1,500	1	4,500	New	May 12, '40	...	...	...
FA22 Pamour T.S.	3	1,500	1	4,500	Reserve	June 23, '40	...	...	...
FP1 Ear Falls T.S.	3	2,000	1	6,000	New	Jan. 4, '40	...	...	...
FA2236 Connaught D.S.	3	75	1	225	New	Oct. 2, '40	...	...	...
FZ11 Canada Lumber Co. D.S.		Disma	ntl	ed	.....	Oct. 25, '40	3	50	Chatsworth
FZ5 North Bay No. 1 D.S.	3	1,000	1	3,000	New	Feb. 4, '40	3	450	Reserve
FZ9 North Bay No. 2 D.S.	1	750	3	750	North Bay No. 1	Feb. 24, '40	1	750	North Bay 2



## TOTAL MILEAGE OF TRANSMISSION LINES AND CIRCUITS

System and voltage	Kind of structures	Line route or structure miles			Circuit miles
		Total to Oct. 31 1939	Additions 1940	Total to Oct. 31 1940	Total to Oct. 31 1940
<b>Niagara System</b>					
220,000-volt. ....	steel	705.27	0.13	705.40	705.40
110,000-volt. ....	"	723.53	105.83	829.36	1,500.41
110,000-volt. ....	wood	67.16	7.38	74.54	74.54
90,000-volt. ....	steel	65.85	.....	65.85	120.81
60,000-volt. ....	"	78.75	.....	78.75	60.00
60,000-volt. ....	wood	9.20	1.28	10.48	10.48
46,000-volt. ....	steel	32.42	.....	32.42	65.64
46,000-volt. ....	wood	23.73	.....	23.73	23.73
26,400-volt. ....	"	729.32	18.35	747.67	895.33
13,200-volt. ....	"	356.01	14.34	370.35	431.20
13,200-volt. ....	steel	1.17	.....	1.17	2.34
12,000-volt. ....	wood	114.92	*17.16	97.67	125.67
Dominion Power division—44,000-volt	steel	34.76	.....	34.76	72.07
Dominion Power division—44,000-volt	wood	118.37	.....	118.37	114.75
Dominion Power division—22,000-volt..	"	28.69	.....	28.69	38.21
Dominion Power division—10,000-volt..	"	14.46	.....	14.46	14.46
<b>Georgian Bay System</b>					
110,000-volt. ....	wood	55.83	.....	55.83	55.83
38,000-volt. ....	"	146.89	35.66	182.55	182.98
6,600-volt. ....	"	2.30	.....	2.30	2.30
Seyn district—22,000-volt. ....	"	148.61	*1.50	147.11	218.04
Eugenia district—26,400-volt and less..	"	281.73	*34.33	247.40	329.28
Wasdell district—22,000-volt. ....	"	83.43	.....	83.43	87.37
Muskoka district—38,000-volt. ....	"	26.31	.....	26.31	26.31
<b>Eastern Ontario System</b>					
110,000-volt. ....	steel	107.08	56.15	163.23	166.54
110,000-volt. ....	wood	163.44	50.94	214.38	214.38
44,000-volt. ....	"	24.33	.....	24.33	24.33
33,000-volt. ....	"	42.26	.....	42.26	47.94
Central district—44,000-volt and less. .	"	532.88	*2.00	530.88	582.11
St. Lawrence district—44,000-volt. ....	"	125.63	2.66	128.29	128.67
Rideau district—26,400-volt. ....	"	62.63	.....	62.63	62.63
Madawaska district—33,000-volt and less	"	58.81	.....	58.81	58.81
<b>Thunder Bay System</b>					
110,000-volt. ....	steel	82.12	.....	82.12	164.28
110,000-volt. ....	wood	178.21	.....	178.21	178.21
44,000-volt. ....	"	116.76	*1.85	114.91	114.91
22,000-volt. ....	"	7.87	.....	7.87	7.87
12,000-volt. ....	"	1.45	.....	1.45	1.45
<b>Northern Ontario Properties</b>					
Nipissing district—22,000-volt. ....	wood	62.39	.....	62.39	78.91
Sudbury district—110,000-volt. ....	"	.....	46.23	46.23	46.23
Sudbury district—22,000-volt. ....	"	106.09	*46.23	59.86	59.86
Abitibi district—132,000-volt. ....	steel	362.74	.....	362.74	725.48
132,000-volt. ....	wood	190.19	.....	190.19	190.19
33,000-volt and less. .	"	98.57	1.69	100.26	101.02
Patricia-St. Joseph district—44,000-volt..	"	300.96	43.06	344.02	344.02
22,000-volt. ....	"	33.01	.....	33.01	33.18
Totals. ....	.....	6,506.13	*280.63	6,786.76	8,488.87

\*Removals.

†Net increase.

**TRANSMISSION LINE CHANGES AND ADDITIONS MADE DURING YEAR  
ENDED OCTOBER 31, 1940**

**NIAGARA SYSTEM**

**High-Voltage Lines**

A 110,000-volt, single-circuit, steel-tower line was built from St. Thomas transformer station 103 miles to Essex transformer station.

A 110,000-volt, single-circuit, wood-pole line was built from Vanessa junction 7.4 miles to Norfolk transformer station.

A 110,000-volt, double-circuit, steel-tower line was built from St. Clair Avenue junction 2.8 miles to Fairbank transformer station.

A 60,000-volt, single-circuit, wood-pole line was built from Dainville junction 1.28 miles to Welland transformer station.

Two suspension towers and one lattice steel pole were installed near Gage avenue in Hamilton to provide a tap for Hamilton-Gage transformer station in the 110,000-volt line from Hamilton-Beach transformer station to Hamilton-Stirton transformer station..

Tower No. 50 of the Queenston-Hamilton line was moved back from the bank of the Welland canal to a more solid footing.

Tower No. 327 of the Niagara-Welland line was relocated to provide clearance for new buildings of the United Steel Corporation.

The disused former Toronto and Niagara Power Company towers from Silverdale approximately 10 miles to Oxleys was restrung and put into service at 44,000 volts as part of the line from DeCew Falls to Bartonville.

A 60,000-volt, single-circuit, wood-pole line, temporarily operating at 12,000 volts, was built from a point in the former Toronto Power Company line in Stamford township 1.6 miles to the Welland Chemical Works Limited.

**Low-Voltage Lines**

**NIAGARA DISTRICT:**—Sections of the 12,000-volt line between Lionite junction and Niagara-on-the-Lake were relocated and parts were restrung. The greater part of the section between St. Davids distributing station and Niagara-on-the-Lake was converted to pole-top-pin construction.

A 12,000-volt emergency circuit was built from Queenston generating station 2.3 miles to Whirlpool junction.

**DUNDAS DISTRICT:**—A 26,400-volt line was built from Decewsville distributing station 7.3 miles to Rainham distributing station.

A 26,400-volt line was built from Rainham junction 7.7 miles to Jarvis airport for the Dominion Government.

**TORONTO DISTRICT:**—A 26,400-volt line was built from Newmarket distributing station 4.3 miles to Sharon distributing station, replacing the former circuit.

A 26,400-volt line was built from Bendale junction 3.9 miles to Agincourt distributing station.

A 26,400-volt line was built from Lawrence Avenue junction 5.0 miles to de Havilland Airport distributing station.

A 13,200-volt line was built from Wardin Avenue junction 2.1 miles to Fallingbrook distributing station.

A 26,400-volt line was built from Park Avenue junction 3.2 miles to York Mills distributing station.

The 13,200-volt line from Leaside transformer station 0.9 mile to Sun Brick distributing station was restrung and reinsulated for 26,400-volt operation, and a new 26,400-volt line was built from Sun Brick distributing station 0.7 mile to East York distributing station No. 1, and from East York distributing station No. 1, 0.7 mile to East York distributing station No. 3.

**STRATFORD DISTRICT:**—The 26,400-volt line from Stratford transformer station 9.7 miles to Tavistock distributing station was converted to pole-top-pin construction.

**WOODSTOCK DISTRICT:**—The 13,200-volt line from Beachville distributing station 6.0 miles to Embro distributing station was reinsulated for 26,400 volts.

The 13,200-volt line from Norwich junction 4.6 miles to Norwich distributing station was reinsulated for 26,400 volts and converted to pole-top-pin construction.

**BRANT DISTRICT:**—The 26,400-volt line from Vittoria junction 8.5 miles to St. Williams distributing station was converted to pole-top-pin construction.

A 26,400-volt line was strung on existing rural poles from Vittoria junction 0.7 mile to Vittoria distributing station.

The 26,400-volt line from Burford distributing station 3.1 miles to Canadian Aggregates Limited was removed.

A 26,400-volt line was built from Consolidated Sand and Gravel junction 0.7 mile to Consolidated Sand and Gravel Company for that Company.

A 26,400-volt line was built from Norfolk transformer station 0.6 mile to Lynnvile junction, and from Norfolk transformer station 2.6 miles to the Lake Erie and Northern Railway Company at Simcoe, while the existing line from this point to Simcoe municipal station was rebuilt.

**KENT DISTRICT:**—A section of the 26,400-volt line from Prince Albert junction to Blenheim distributing station was relocated.

**ESSEX DISTRICT:**—The 26,400-volt lines from Amherstburg junction 21.5 miles to Comet distributing station and Kingsville distributing station were fitted with new hardware, and re-sagged.

**YORK DISTRICT:**—A 13,200-volt line was built from York transformer station 1.3 miles to Kingsway distributing station.

The 26,400-volt line from Kleinberg distributing station 5.1 miles to Bolton distributing station was converted to pole-top-pin construction.

A 26,400-volt line was built from Malton distributing station 0.3 mile to Canadian Associated Aircraft Limited.

**HAMILTON DISTRICT:**—A 13,200-volt line was built from Hamilton Beach transformer station 1.3 miles to Windermere junction, so that Grimsby distributing station and Beamsville distributing station are now fed from Hamilton Beach transformer station.

A 13,200-volt line was built from Smithville distributing station 1.1 miles north to former Dominion Power and Transmission Company lines, so that Smithville is now fed from Hamilton Beach transformer station.

A 13,200-volt line was built from Hamilton Beach transformer station 1.0 mile to the former Dominion Power and Transmission Company lines, so that Bartonville distributing station is now fed from Hamilton Beach transformer station.

**ST. CLAIR DISTRICT:**—A 26,400-volt line was built from Wanstead junction 8.1 miles to Watford junction.

**TORONTO AND FAIRBANK DISTRICT:**—A 26,400-volt line was built from Fairbank transformer station 1.3 miles to Forest Hill municipal station.

A 26,400-volt line was built from Fairbank transformer station 1.4 miles to Glencairn distributing station.



A 26,400-volt line was built from Fairbank transformer station 2.7 miles to Kodak junction.

**PORT COLBORNE DISTRICT:**—A 13,200-volt line was built for Robin Hood Flour Mills Limited from their plant 0.6 mile to the Welland canal to connect with cable under the canal and a former Dominion Government-owned line to Killaly junction.

**WELLAND DISTRICT:**—A part of the 12,000-volt double-circuit line from Electro Metallurgical Company 0.5 mile to Canada Steel junction was converted to single-circuit construction and restrung with heavier conductor.

A 12,000-volt circuit was strung from the Electro Metallurgical Company of Canada on the existing 46,000-volt line from Welland transformer station 0.4 mile to Union Carbide junction.

**ALLANBURG DISTRICT:**—The 12,000-volt, double-circuit line between the Ontario Paper Company and Port Robinson distributing station was converted to single-circuit construction, and was relocated from Welland canal junction 1.1 miles to Port Robinson distributing station. This line, together with the line from Port Robinson junction to Fonthill distributing station and the newly-built line from Allanburg transforming station 0.3 mile to Best Yeast Limited, are now energized from Allanburg transformer station and constitute a new operating district.

**NIAGARA DOMINION DISTRICT:**—The former Dominion Power and Transmission Company and the former Toronto and Niagara Power Company circuits between Niagara Falls and Hamilton were connected by the construction of four 44,000-volt taps at Windermere junction, Red Hill junction, Escarpment junction and Smithville junction, as noted under Hamilton district above.

## GEORGIAN BAY SYSTEM

### High-Voltage Lines

A 38,000-volt, single-circuit, wood-pole line was built from Ragged Rapids generating station 37.2 miles to the plant of Canadian Industries Limited at Nobel for that Company.

The former 22,000-volt line from Stayner junction 1.5 miles to Stayner distributing station was restrung and reinsulated for 38,000-volt operation.

One of the 22,000-volt circuits on the existing line from Eugenia 34.3 miles to Hanover was reinsulated for 38,000-volt operation.

## EASTERN ONTARIO SYSTEM

### High-Voltage Lines

A 110,000-volt, single-circuit, wood-pole line was built from Frontenac transformer station 1.5 miles to the Aluminum Company of Canada.

A 110,000-volt, single-circuit, wood-pole line was built from Chats Falls 29 miles to Federal junction, from Federal junction 8.9 miles to Cyrville junction, and from Cyrville junction 11.4 miles to Lievre junction.

A 110,000-volt, single-circuit, steel-tower line was built from Frontenac transformer station 56.1 miles to Sidney transformer station.

A 110,000-volt, single-circuit, wood-pole line was built from Sidney transformer station 3.0 miles to Newcombe junction, while the 44,000-volt, single-circuit, wood-pole line from Newcombe junction 34.6 miles to Welcome junction and from Welcome junction 28.1 miles to the former Oshawa Boulevard junction was rehabilitated and reinsulated for operation at 110,000 volts. Provision is thus made for a 110,000-volt line which will be placed in service next year from Trenton transformer station 65.7 miles to the new Oshawa transformer station.

### Low-Voltage Lines

Additional storm guys were added to many lines in the Central, Rideau, and St. Lawrence districts.

### NORTHERN ONTARIO PROPERTIES

**ABITIBI DISTRICT:**—The relocation of Timmins transformer station necessitated a diversion of part of the 132,000-volt, double-circuit, steel-tower line from Tisdale junction to Timmins transformer station.

A 13,200-volt line was built from Kirkland Lake transformer station 1.2 miles to Lakeshore Mines Limited.

A 13,200-volt line was built from Golden Gate Mining Company 0.8 mile to Crescent Kirkland Gold Mines Limited.

A short portion of the 26,400-volt line from Simpson Lake junction 1.4 miles to Ankerite junction was relocated.

**PATRICIA-ST. JOSEPH DISTRICT:**—A 44,000-volt, single-circuit, wood-pole line was built from Couchenour-Willans distributing station 1.0 mile to McMarmac Red Lake Gold Mines Limited.

A 44,000-volt, single-circuit, wood-pole line was built from Uchi switching station 42.0 miles to Jason Gold Mines transformer station.

### TELEPHONE LINES—ALL SYSTEMS

In the Niagara system, portions of the line from Dundas transformer station to Guelph transformer station, 8.8 miles in length, were rebuilt. Between Allanburg junction and Dundas transformer station, 14.9 miles of the AA line were removed. This was replaced by 14.5 miles of new line located to the south of the former A line.

Part of the line was rebuilt from London transformer station 2.2 miles to St. Thomas transformer station. Part of the line was rebuilt from Woodstock transformer station 1.9 miles to London transformer station.

A double-circuit line was erected on 26,400-volt transmission line poles from Fairbank transformer station 4.7 miles to York Mills distributing station, with single-circuit taps of 0.5 mile to Forest Hill and Glencairn distributing stations. A single-circuit line was erected from Fairbank transformer station 2.5 miles to Kodak junction. A 34-pair, paper-insulated, lead-covered cable was erected from Fairbank transformer station 3.4 miles to Toronto-Wiltshire transformer station. An additional circuit was provided from York Mills distributing station 24.8 miles to Newmarket distributing station, including a new portion of line from Morgan avenue junction 8.3 miles to Elgin Mills.

A single-circuit line was erected on 26,400-volt transmission line poles from Norfolk transformer station 0.6 mile to a tap on the Delhi line. A single-circuit line was erected on 26,400-volt transmission line poles from Norfolk transformer station 2.7 miles to the Lake Erie and Northern Railway substation and to Simcoe municipal station.

Telephone line carrier installations were made for operation between Leaside transformer station and Belleville transformer station, Belleville transformer station and Chats Falls generating station, and Dundas transformer station to Eugenia generating station.

In the Georgian Bay system, conductor was replaced from Midland distributing station 3 miles to Penetang distributing station and from Berkeley distributing station 14.3 miles to Kilsyth junction.

An additional circuit was erected on transmission line poles from Bradford junction 24 miles to Fergusonvale junction, together with the replacement of telephone conductor from Bradford junction 11 miles to Bradford distributing station.

In the Thunder Bay system, new telephone line carrier equipment was installed for operation between Port Arthur transformer station and Cameron Falls generating station.

In the Northern Ontario Properties, a new single-circuit line was erected on transmission line poles from Uchi switching station 42 miles to Jason Gold Mines.

## DISTRIBUTION LINES AND SYSTEMS

## IN RURAL POWER DISTRICTS

The following tabulation shows the mileage of distribution lines constructed by the Commission in rural power districts and the number of consumers served.

The summary indicates a total construction during the year of 1,545 miles of new primary line completed and giving service to 10,827 additional consumers.

## SUMMARY OF CONSTRUCTION IN RURAL POWER DISTRICTS

System and district	At October 31, 1939		At October 31, 1940					
	Miles of primary line constructed	Number of consumers receiving service	Miles of primary line			Number of consumers		
			Constructed	Under construction or authorized	Total	Receiving service	Authorized	Total
NIAGARA SYSTEM. . . .	10,801.73	70,886	11,372.68	114.75	11,487.43	76,123	257	76,380
GEORGIAN BAY SYSTEM								
Severn district. . . .	789.45	6,193	854.12	5.19	859.31	6,841	13	6,854
Eugenia district. . . .	839.80	3,394	1,041.19	42.92	1,084.11	4,315	88	4,403
Wasdell district. . . .	392.33	2,681	431.69	4.02	435.71	2,913	8	2,921
Muskoka district. . . .	313.81	1,805	361.52	1.74	363.26	2,043	3	2,046
Bala district. . . . .	71.11	507	101.43	1.46	102.89	629	1	630
System R.P.D.'s. . . .	87.10	431	88.15	0.40	88.55	459	2	461
EASTERN ONTARIO SYSTEM								
Central district. . . .	2,421.45	13,829	2,650.39	16.51	2,666.90	15,262	40	15,302
St. Lawrence district	925.21	4,771	1,024.75	19.04	1,043.79	5,310	52	5,362
Rideau district. . . .	261.49	1,300	271.66	0.48	272.14	1,410	2	1,412
Madawaska district	136.07	1,029	149.52	5.32	154.84	1,125	0	1,125
Ottawa district. . . .	245.64	1,647	271.69	5.03	276.72	1,768	5	1,773
System R.P.D. . . . .	80.20	383	80.05	0	80.05	430	0	430
THUNDER BAY SYSTEM	192.50	800	273.18	2.61	275.79	1,134	6	1,140
NORTHERN ONTARIO PROPERTIES								
Abitibi district. . . .	0	0	41.00	6.10	47.10	143	20	163
Manitoulin district..	96.09	462	141.55	0	141.55	637	0	637
Sudbury & Nipissing districts. . . . .	52.77	1,413	96.54	15.40	111.94	1,816	167	1,983
Totals. . . . .	17,706.25	111,521	19,251.11	240.97	19,492.08	122,358	664	123,022



## SECTION VII

### TESTING—RESEARCH—INSPECTION

#### PRODUCTION AND SERVICE

THE Laboratories have been more active than usual in nearly all sections in carrying on research work and investigations, in routine testing, in factory inspection of electrical equipment being purchased by the Commission or the municipalities, and in examination and testing of devices and fittings in the interest of public safety.

The Research Committee, organized in 1933, directs the work of sixteen subcommittees each of which is studying some specific practical problem related to the design, construction, operation or maintenance of the power systems. These subcommittees have been very effective in developing new ideas and in improving the characteristics of various materials and equipment. A new subcommittee, formed during the year, will study methods of suppressing radio interference from power lines.

In 1940, a change of great importance was made in the method of carrying on the approvals testing of electrical equipment. On May 1, the Canadian Engineering Standards Association assumed responsibility for this work, and since that date all correspondence and negotiations regarding approvals testing of electrical equipment in Canada has been carried on by the Association. The name of The Hydro-Electric Power Commission of Ontario is no longer used in this connection.

In view of the importance of this change, a brief history of the steps leading to it is given.

The Commission organized its Approvals Laboratory about 1918 for the purpose of carrying on testing only in Ontario. Its activities were, however, considerably expanded when the first edition of the Canadian Electrical Code appeared in 1927 and it undertook work for other provinces at their request, so that for the past ten or more years it has carried on approvals testing and factory re-examination in all parts of Canada and also for a large number of United States manufacturers who applied for approval under the terms of the Canadian Electrical Code. This condition appeared undesirable from the point of view of national acceptance of approvals regulations, and in 1938 a conference of provincial inspectors from all provinces passed a resolution requesting the Canadian Engineering Standards

Association to assume responsibility for the approval of electrical equipment. With this resolution the Commission agreed and when the task was accepted by the Canadian Engineering Standards Association the Commission's officials, in conjunction with representatives of the Canadian Engineering Standards Association and the National Research Council, gave every assistance in working out the details connected with the change. On May 1, 1940, the transfer of responsibility was officially made and the new order has been accepted by electrical inspection departments and industry in general with enthusiasm.

The Canadian Engineering Standards Association organized a special Approvals division which will be financed entirely from the approvals fees and will not be a charge on other standardization work of the Canadian Engineering Standards Association. The administration of the division is in the hands of an administrative board of three members, the chairman being the chief testing engineer of The Hydro-Electric Power Commission, the secretary being the secretary of the Canadian Engineering Standards Association; the third member is the engineer in charge of the electrical laboratories of the National Research Council. In order to secure the necessary contacts with and support from the provinces, an Approvals Council, which is an advisory body, was also formed consisting of the chief electrical inspector in each province.

The Commission's Approvals Laboratory still carries on most of the testing and inspection work as an agent of the Canadian Engineering Standards Association. Consequently, the transfer of responsibility has involved little change either in the staff or equipment of the Approvals Laboratory.

The Approvals Laboratory and Electrical Inspection department have co-operated throughout the year to render important service in testing various types of appliances, wire and wiring devices, and in inspecting installations to insure protection against fire and electric shock. Due partly to this activity, electrical accidents in the Province have been few.

The photographic, blueprinting and photostat department, the production and service department, machine shop, carpenter shop and garage also have completed a large number of orders for the various types of work that they handle for other departments.

## TESTING AND RESEARCH LABORATORIES

### Routine and General Testing

The Laboratories each year conduct a large number of routine tests on different types of material and equipment, and inspect various work for the Commission and for municipalities during construction in the manufacturer's plants and erection in the field. These services are maintained to insure the highest quality in material and workmanship in order that the equipment will be satisfactory in characteristics and in operation, with a minimum of maintenance and expense, and that power interruptions will be avoided as far as possible.

## Materials and Equipment Inspection

### Transmission Line Materials

The inspection of transmission line materials which pass through Strachan avenue stores has included crossarms, brackets, insulator pins, clamps of various types, general hardware, wire and cable. The amount of copper wire, steel-reinforced aluminum and galvanized steel cable inspected was 4,058 tons, about fifty per cent more than last year. A large number of vibration dampers for the new Beauharnois power line also were inspected.

### Electrical Equipment

Electrical factory inspection included 214 power transformers, having total capacity of 371,850 kv-a, which was a larger number and more than twice the transformer capacity inspected in the previous year. Nearly seven times as many oil circuit-breakers were inspected with an increase of 26 per cent in total capacity, and 6,155 disconnecting switches, totalling 16,988,000 kv-a, nearly eleven times the circuit-breaker capacity inspected last year. Distribution transformers amounted to 2,900; line and bus insulators increased to the total of 352,950 units. Metal-clad switchgear for several installations was given detail inspection at the factories.

Gradient tests were made on about 3,500 transformer and oil-circuit breaker bushings in position and those showing abnormal conditions were removed and reconditioned.

Routine tests were made in the Laboratories on 5,644 pairs of linemen's rubber gloves, 2,776 samples of insulating oil, 1,680 instrument and distribution transformers, 261 thermostats and 10,000 insulators, a large increase over last year in nearly all items. Miscellaneous safety equipment also was tested. Watthour meters repaired and checked numbered 2,674 and 154 indicating instruments were calibrated.

### Mechanical and Structural Equipment

The mechanical equipment inspected included ten oil-storage tanks, one heating boiler, and ten street car axles. Structural equipment included 433 window sashes. In addition, various other items of equipment for generating, transformer and switching stations were inspected. The fabrication of tanks and other parts for transformers and oil circuit-breakers, and housings for metal-clad switchgear and unit substations has been followed through the factories. Special attention was given to welding and painting.

### Concrete

Three resident concrete inspectors and three part time assistants were stationed on two construction jobs. These inspectors tested the aggregates, supervised processes and generally checked the quality of the concrete.

Field inspections of four structures were made to observe the condition of the concrete and to record any evidence of deterioration so as to give them the necessary attention.

Field surveys for materials were made prior to construction work at three sites:—Big Eddy, Barrett Chute and Bark lake.



### **Protective Coatings**

The inspection of paints and other protective coatings has shown a definite increase, 537 samples having been tested at the Laboratories. Exposure tests were made on some paints with special wood-preservative properties.

### **Steel and Timber**

A total of 8,416 tons of steel was inspected, of which 94 per cent was tower and station steel for new installations, and most of the remainder was for reinforcing. About 11,700 pine and cedar poles also were inspected and of these 27 per cent were rejected as not suitable for any purpose of the Commission. A number of stop logs for the dam at Virgin Falls were examined.

### **Lamps and Lighting Equipment**

A total of 84,400 lamps were tested at the factory and 4,833 life tests were made at the laboratory, the latter being an increase of 24 per cent over the previous year. Four special tests were carried out, and 35 tests made on automobile equipment for the Department of Highways. Also four candle-power distribution tests were completed. As in previous years, a number of reflex signals, samples of safety glass, auto headlight devices and direction signals were checked to determine their characteristics.

## **Research**

Research work is carried on continually in both the laboratories and the field to improve the characteristics and quality of materials and equipment in order to insure the highest efficiency and continuity of service and to reduce cost wherever possible.

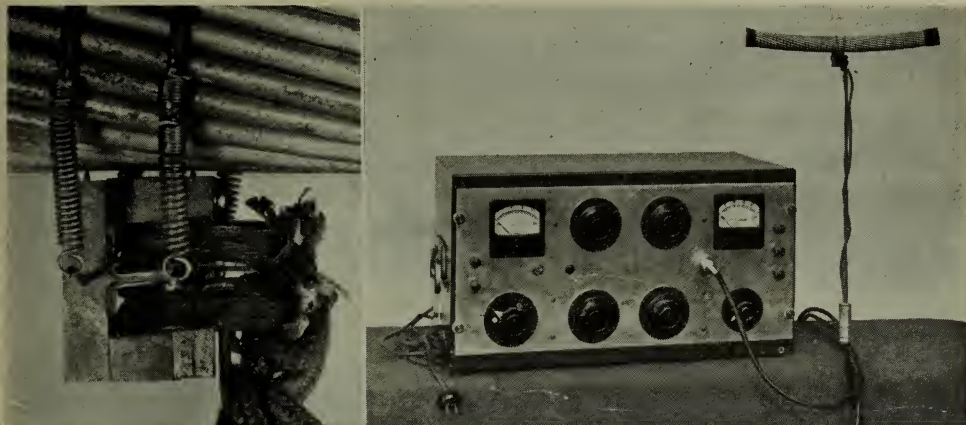
### **Vibration of Transmission Line Conductors**

The study of vibration in power line conductors was continued and valuable information obtained to guide the engineers in the design of new lines. Mathematical studies were directed chiefly toward the design of test equipment and the characteristics of dampers and conductors.

The experimental test spans referred to in previous reports were in almost continuous operation in connection with studies of the protection required for the St. Thomas-Windsor line and the new 220,000-volt Beauharnois-Burlington line. Specific recommendations were made in both cases for the installation of dampers. Some special cables were tested on these spans to obtain comparative information on their inherent ability to suppress natural vibrations.

Further experimental work was done to determine the physical characteristics of dampers. Energy loss measurements on several types of dampers were made at Stanford University, a member of the Laboratory staff being present.

Two fatigue testing machines were in continuous use on aluminum and galvanized steel wire. Two additional machines were ordered; one arrived in September and has since been in operation. Fatigue, bend and twist



#### VIBRATION STUDIES ON TRANSMISSION LINE CONDUCTORS

Left — Electrical strain gauge, mounted for test, showing its two gauge points in contact with one strand of a conductor

Right — The combined bridge and electronic amplifier used with the gauge. By means of this equipment, together with an oscillograph, rapid variations of very small strains in the strand are recorded

tests were completed on a large amount of steel wire removed at different stages in the hot dip and electro-galvanizing processes.

A number of vibration fatigue tests were made on the Laboratory span to determine the endurance of certain cables, clamps and connections. The study of the forces developed and the vibratory displacement near the clamps has been continued on various types of cable.

#### Electrical Insulation

A new method was devised, and equipment assembled, for detecting the presence of conducting material in moulded and sheet insulation. Treatment of line insulators to prevent radio interference was a subject of active study. Klydonographs were installed at one large station to record the frequency and magnitude of lightning strokes, and readings were taken periodically.

#### Remote Control of Loads

Various systems of off-peak control of loads such as electric water heaters, have been investigated and engineering assistance was given to a number of municipalities where installations were contemplated.

#### Rural Applications of Electricity

Investigations of the characteristics of grain grinders were continued and a machine was constructed which incorporated the features developed in previous work. The objective in these studies is the design of a suitable grinder in small size which will sell at a reasonable price to meet the requirements of a large number of rural customers.

The equipment previously installed at the Ontario Agricultural College in Guelph for experiments in soil heating and the application of artificial illumination to plant growth was in use during the fall, winter and spring

months. These investigations have resulted in a number of commercial florists adapting these methods in an experimental way to further production in their own greenhouses.

#### **Electric Welding**

A method of comparing stresses in welded joints, before and after stress relieving, was developed and will be useful in determining the quality of welds. The information gained in welding studies was found valuable in the inspection of welded tanks and other equipment fabricated for the Commission.

#### **Radio Interference**

Field tests of radio interference were made on several power lines of various voltages using a radio noise meter specially adapted to this purpose. The effects of such factors as temperature, humidity, proximity of ground wires and telephone lines were studied.

The interference caused by household appliances and other low-voltage devices was measured on a large number and variety of units.

Methods of suppressing radio interference and the determination of probable allowable limits were the objectives in these studies.

#### **Electronic Applications**

Studies of direct-current power transmission were continued and a bibliography of historical and recent technical articles was prepared. The problems of relaying and communication on the 220,000-volt power systems received further attention.

#### **Domestic Hot Water Tanks and Heaters**

The study of corrosion in domestic electric hot water tanks has been continued to determine the effect of size or surface area of the heating element upon the economy of operation and life of the elements. The behaviour of different elements in galvanized iron and in non-ferrous tanks was studied and some specially coated or covered elements were tested. Trouble with fuse links in thermostats also was investigated and a more suitable arrangement of link was found.

#### **Masonry Materials**

Several important problems relating to mass concrete construction were studied. These included methods of crack control, special form linings, types of cement, artificial cooling, the use of large aggregates, construction joints and winter concreting. Special attention was given to the study of concrete durability, and refrigeration equipment was installed for use in further investigations. The deterioration of cement in storage was further studied, also water movement through concrete and methods of curing concrete while retaining the moisture. Existing concrete structures were examined to observe the deterioration and determine the necessity of repair.

A specification for concrete jobs requiring less than 500 cubic yards of materials was completed. This was designed to meet the needs of foremen on small construction projects and to insure greater uniformity in concrete work.



### **Paints and Protective Coatings**

Approval tests were made on a number of brands of paint, and also comparative studies on cap sheet roofing felts and roofing plastics.

Some of the more recent types of paints exposed in the Ottawa and Niagara rivers were inspected and tests were made on a new non-skid floor paint.

The corrosion of buried pipes and cables was studied as part of an investigation into the corrosive properties of soils with a view to applying suitable protective coatings.

### **Petroleum Products**

A method of refining used lubricating oil was developed and a large amount of oil at Queenston was reclaimed by this means. A new type of oil filter was designed and built and a new filter paper for oil was tested. The effect of light on oil in clear and coloured containers was studied.

### **Treatment of Wooden Transmission Structures**

The application of sand creosote collars for preservation of wood poles was continued and split collars for reinforcing and treating poles have been applied more extensively. Solid cylinders were used on a number of poles.

The inspection of a group of eastern cedar poles in service was completed. A number of poles erected in 1935 and treated in various ways were examined to determine the effects of this treatment.

### **Joints in Electrical Conductors**

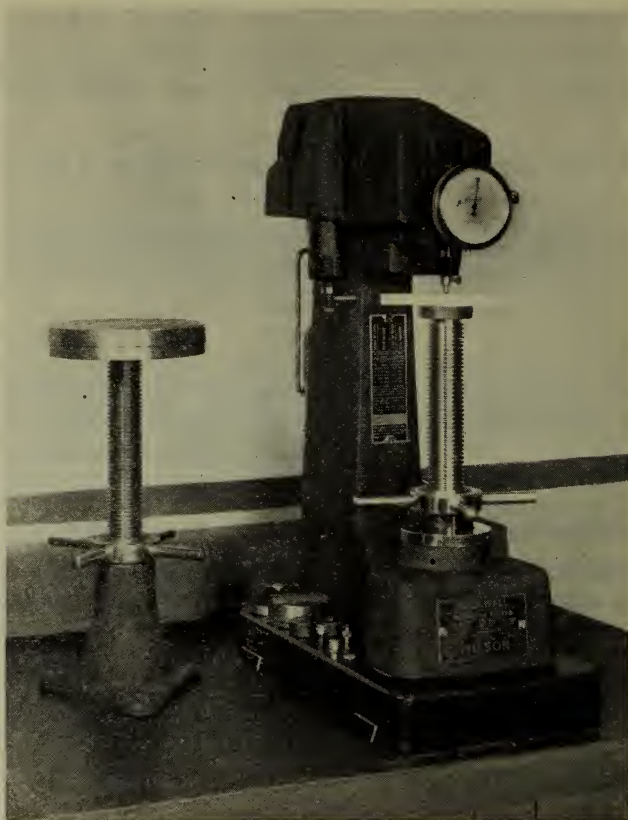
Observations were continued on a number of joints in electrical conductors to determine the rate of deterioration and increase in resistance by the effect of weather, without flow of current. Some field investigations were made on joints which failed in service and on several other joints which had developed dangerous high resistances. An extensive programme of joint testing was started and a method developed which would avoid the necessity of cutting out large numbers of joints, allowing them to be welded while in tension.

### **Grounding**

The problem of grounding transmission and distribution systems in rural areas was studied using driven electrodes, and the resistances of more than 6,500 existing consumers' grounds were measured. Tests were commenced on standard ground rods, portions of which were galvanized, to determine the life of these rods in certain soils, and the advantages of galvanizing.

### **Miscellaneous Research**

Studies and investigations also were carried out on a variety of other matters. Chemical tests were made on submarine cable, cooling pond water, wood fuel and a substitute for rubber. The study of soil mechanics was continued. The stress-strain characteristics of gasket materials was investigated, and development tests were made on a new type of gap for use in



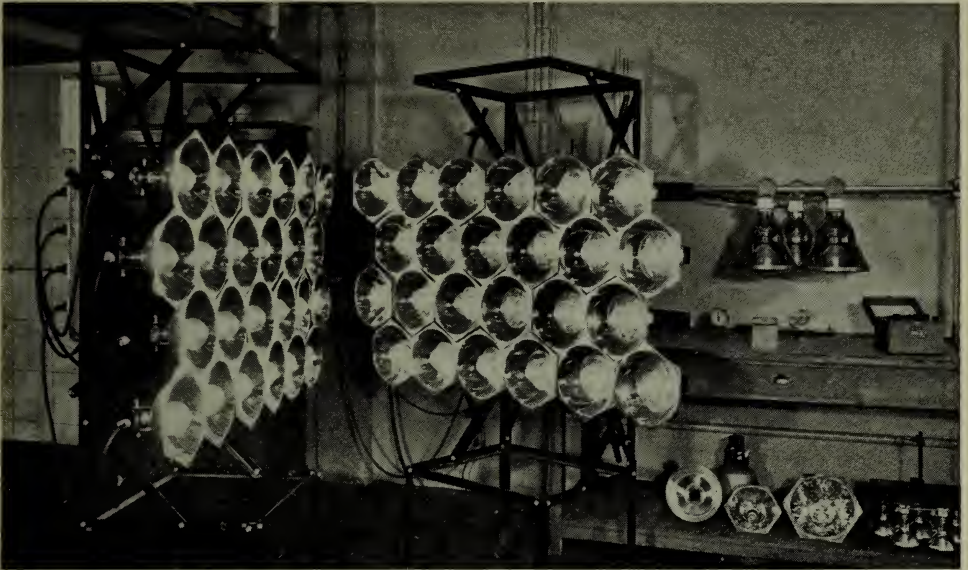
**ROCKWELL HARDNESS TESTER**  
Used in determining the hardness of metals

place of lightning arresters. Power line interference with telephone circuits was given considerable attention and the determination of stress by photoelasticity was studied with a view to installing suitable test equipment in the Laboratories.

#### **New Equipment**

Several important items of testing equipment were developed and built at the Laboratories during 1940. These include a live-line vibration recorder for use on power line conductors, an electric strain gauge and calibrator to measure dynamic stresses in the individual wires of a vibrating cable, an instrument to provide a continuous record of cable displacement near the clamps during fatigue tests, and an inertia amplitude recorder, designed on the magnetic principle, for use on conductor vibration tests.

New instruments and other equipment purchased for use in testing include a radio beat-frequency oscillator and audio oscillator for vibration studies on cables, stroboscopes and strobolux instruments for observing the motion of vibrating and rotating bodies by the stroboscopic principle, a strip-chart recording wattmeter for use with continuous amplitude apparatus in vibration tests, a vibration generator for use on the third laboratory cable



#### DRYING BY INFRA-RED RADIATION

Banks of tungsten lamps with special gold-plated reflectors are arranged in ovens or tunnels and provide radiation for drying paints and textiles—a new method of applying heat for industrial purposes

At right, above the table and below, are some forms of reflectors for other drying tests

testing span, two fatigue testing machines for wire, a Rockwell tester for determining the harshness of metals, infra-red radiation equipment to study methods of drying paints and textiles, and a special low-temperature refrigerator for freezing and thawing tests on concrete and concrete aggregates. X-ray equipment also was purchased and is being installed for use in searching for internal defects in metal parts and various materials.

#### Specifications and Committee Work

Meetings and conventions of the following organizations were attended by members of the staff:—Canadian Engineering Standards Association, National Research Council, Canadian Electrical Association, Engineering Institute of Canada, American Institute of Electrical Engineers, American Concrete Institute, Portland Cement Association, American Society for Testing Materials, National Fire Protective Association, Radio Manufacturers Association, Niagara Peninsula Maintenance Association, The Ontario Municipal Electrical Union, and the Association of Municipal Electrical Utilities.

#### APPROVALS LABORATORY

Reference has already been made in the introductory paragraphs to the change in status of the Approvals Laboratory which has necessitated some change in the accounting system and a much closer contact with the staff of the Canadian Engineering Standards Association. The Approvals engineer attended most of the meetings of the administrative board of the Approvals division which are held monthly in Toronto, Ottawa or Montreal.



The inspection and approval of appliances and fittings has continued through the year. A total of 705 applications for approval were received, 366 special inspections were made and 4,123 reports were issued on factory inspection. The quantity of labels sold for cord, wire, cable, conduit, etc., showed an increase of 35 per cent over the previous year, the labels for conduit alone increased about 57 per cent, due to the increased activity in the building trades, in the erection of factories for munitions, hangars, barracks for the army and air force, and other war and housing requirements.

A total of 453 factory inspections of wiring materials was made and 842 reports were forwarded to manufacturers.

### **ELECTRICAL INSPECTION DEPARTMENT**

This department handled the largest volume of work for any year since it was organized in 1915. The increase in number of inspections apparently was due to the accelerated industrial activity brought about by the war. New manufacturing, ordinance and aircraft plants, and other military projects, together with the construction resulting from the Commonwealth Air Training Plan, augmented the work of the department in inspection of both wiring installations and special equipment designed for war materials manufacture.

#### **Statistical**

A total of 119,271 permits was issued, about the same as last year, and 214,212 inspections were made, an increase of 2.8 per cent.

#### **Fires Attributed to Electricity**

Among the fires reported as caused through defective wiring and equipment, and investigated this year, twelve were found due to these conditions. The particular causes were, short circuits in armoured cable and fixture wire, loose connections at meters, oil-burner ignition equipment, and an electric iron left heating and unattended in a commercial establishment. While some of the other fires may have originated in electric wiring or equipment, the evidence available did not substantiate such a conclusion.

#### **Electrocutions and Fatal Accidents**

Five persons were electrocuted through coming into contact with electric wiring or equipment under the jurisdiction of this department. Two were children who touched brass lamp sockets that had been installed within reach of grounded material; two were electricians who attempted to work on live circuits before opening the disconnecting switches, and one was an electrician working on a dead circuit in too close proximity to live overhead conductors.

#### **Ground Tests**

A total of 3,798 ground resistance tests were made in isolated communities and rural districts.

#### **Infractions of Regulations**

Forty-two persons and companies were prosecuted for various infractions of the regulations governing the installation, sale and disposal of electric wiring and equipment.



#### NEW TRUCK FOR STATION MAINTENANCE AND LINE CONSTRUCTION

An all-steel body, with sliding roof to allow transportation of long bushings, etc. Accommodation for six men.

#### The Canadian Electrical Code

Members of the Laboratory and Electrical Inspection staffs attended thirty-three meetings and assisted in revision of sections of Parts I and II of the Code, and in compiling sections of Part IV.

There was nothing particularly active this year regarding Part I of the Code, on electrical installations, apart from applications for interim revisions being received. These were considered and necessary steps taken at the meeting of the central committee held in Toronto in September.

The work associated with Part II of the Code, which deals with the approval of specifications for electrical equipment, included compilation of material and preparation of preliminary drafts, attendance at meetings and preparation of minutes, revisions of drafts, and also a large amount of correspondence and frequent interviews with sub-committees and manufacturers.

Five specifications were issued by the Canadian Engineering Standards Association making a total of 53 specifications completed and issued to date. There are at present 35 specifications either in the process of being issued or in some earlier stage of preparation.

Active work was carried on in connection with Part IV of the Code which will establish standard instruments for measuring radio interference,



set tolerable limits for interference and specify ways and means of reducing interference from electric circuits, apparatus and equipment to the limits specified. Government regulations now being drafted make this work more urgent and important than heretofore. The Laboratories have made measurements of radio interference of a large number of pieces of electrical equipment known to be a source of interference. Measurements of field strength adjacent to power lines also have been made. The results of these studies are now available to the Code authorities. A Specification covering construction, test and application of components of radio interference suppression devices has been advanced to second preliminary draft form, having been discussed with industry, inspection authorities and the Department of Transport at an autumn meeting held in Toronto.

### PRODUCTION AND SERVICE DEPARTMENT

The operations of the Production and Service department were similar in nature to those of last year and, determined by the value of the work done, showed an increase of 13 per cent. Every effort was made to co-operate with other departments in the development of new tools, apparatus and equipment.

A total of 1,655 orders were completed by the machine and carpenter shops. The work of the garage included overhauling 72 trucks, reconditioning 15 items of gasoline driven equipment for the Construction department and completing 624 orders for miscellaneous truck repairs.

The systematic inspection of the Commission's fleet of 329 trucks was continued, it involved 1,294 individual inspections in the field.

Motor vehicles and other equipment purchased included 59 trucks, and 25 trailers. Of these trucks 39 were replacements and the remaining 20 were additions to the fleet. Winch and derrick equipment also was purchased for 11 trucks.

The fleet mileage was in excess of 3,500,000 miles which constitutes a progressive increase of approximately 1,000,000 miles or 32 per cent over that travelled four years ago.

The Truck Committee studied types of truck bodies used by other utilities, and concerted effort was made to improve the equipment and reduce the number of body types needed to meet requirements. Two types of all-steel truck bodies, equipped with compartment space suitably sub-divided to accommodate tools and equipment were purchased for experimental purposes.

### PHOTOGRAPHY, PHOTOSTAT AND BLUE PRINTING

The photographic orders amounted to 741, slightly less than in the previous year, but both blueprint and photostat orders have shown marked increase. In blueprints, 7,190 orders were filled, requiring a total of 121,254 prints, an increase of 30 per cent. For photostat prints there were 607 orders, about 10 per cent more than last year, which indicates that the equipment installed about three years ago is being used to an increasing extent.



## SECTION VIII

## ELECTRIC RAILWAYS

## THE HAMILTON STREET RAILWAY COMPANY

A Subsidiary of The Hydro-Electric Power Commission of Ontario—  
Niagara System

Gross earnings on the Hamilton Street Railway for the year 1940 increased 15.98 per cent. Operating expenses (including taxes) increased 20.09 per cent. The result was a decrease in net earnings of \$6,776. The decrease in net earnings was due to increased operating expenses.

The balance sheet and income account are given at the end of Section IX.

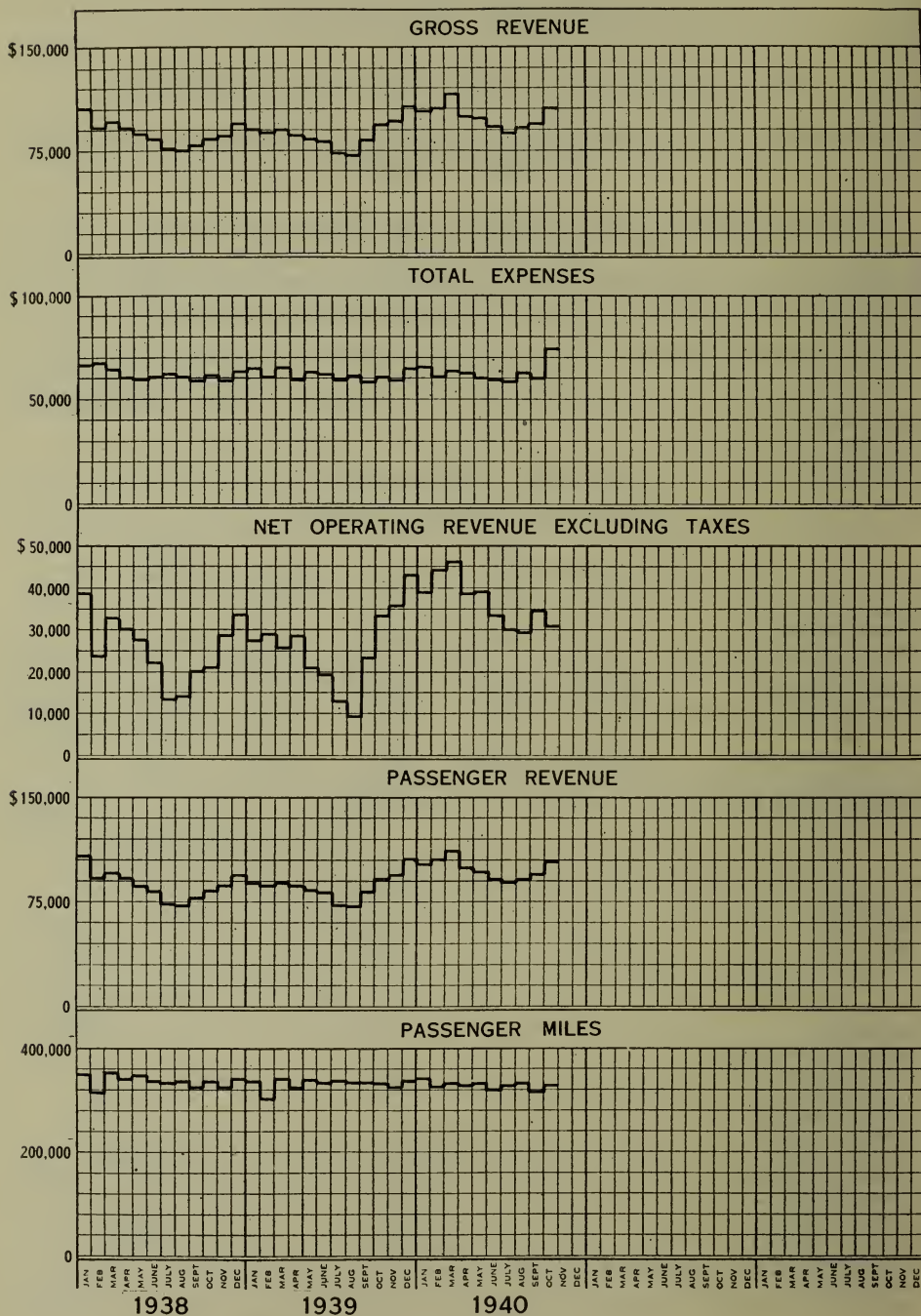
Operating results are summarized and compared in the following tabulation and chart.

HAMILTON STREET RAILWAY  
Comparative Operating Statistics

	Street-cars \$	1939 Buses \$	Total \$	Street-cars \$	1940 Buses \$	Total \$
Operating revenues:						
Transportation.....	788,652	229,938	1,018,590	897,081	283,622	1,180,703
Other operations.....	9,094	674	9,768	11,363	641	12,004
Operating revenue.....	797,746	230,612	1,028,358	908,444	284,263	1,192,707
Operating expenses.....	661,465	190,376	851,841	808,290	214,676	1,022,966
Net revenue for year.....	136,281	40,236	176,517	100,154	69,587	169,741
Appropriation for dividend.....			177,228			177,228
Deficit for year.....			711			7,487

	1939	1940
Route-miles:		
Street-car.....	28.38	27.97
Bus.....	16.57	16.57
Total.....	44.95	44.54
Track-miles.....	42.62	42.62
Passenger cars operated:		
Passenger cars.....	70	68
Passenger buses.....	34	36
Car-miles operated:		
Passenger cars.....	2,562,074	2,463,090
Passenger buses.....	1,393,242	1,519,695
Car-hours operated:		
Passenger cars.....	272,149	262,885
Passenger buses.....	111,242	124,624
Passengers carried.....	19,027,851	21,806,817
Percentage of transfer passengers to revenue passengers.....	19.6%	18.9%

# THE HAMILTON STREET RAILWAY COMPANY OPERATING STATISTICS



## SECTION IX

### FINANCIAL STATEMENTS

Relating to

Properties Operated by The Hydro-Electric Power Commission in the  
Niagara, Georgian Bay, Eastern Ontario and Thunder Bay  
Systems on Behalf of Municipalities

and to

Northern Ontario Properties Held and Operated by the Commission  
in Trust for the Province of Ontario, and

The Hamilton Street Railway Company—A Subsidiary of  
Niagara System

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**I**N this section of the Report financial statements relating to the activities of The Hydro-Electric Power Commission, segregated into certain distinct divisions, are presented. The first division relates to those activities on behalf of the co-operative municipalities, which are partners in the main "Hydro" undertaking comprising the Niagara, Georgian Bay, Eastern Ontario and Thunder Bay systems. The second relates to the administration of the Northern Ontario Properties which are held and operated by the Commission in trust for the Province of Ontario. The third relates to The Hamilton Street Railway Company, a subsidiary of the Niagara system.

#### Co-operative Systems

In the Foreword to this Report a brief reference is made to the basic principle governing the operations of the "Hydro" undertaking in supplying electrical service at cost, and to the *wholesale* and *retail* aspects of the work. A description is also given of the several systems into which the partner municipalities are co-ordinated for securing common action with respect to power supplies, through the medium of The Hydro-Electric Power Commission which, under The Power Commission Act, functions as their Trustee.

Although for the purpose of financial administration the various systems are separate units, there is a similarity of procedure with respect to their operation which enables certain financial statements, as for example the various reserves, to be co-ordinated and presented in summary tables.



The first set of tables in Section IX gives collective results for the co-operative activities related to the four systems. These tables include a **balance sheet**; a **statement of operation and cost distribution** as detailed in the "cost of power" tables referred to below; schedules respecting **fixed assets, capital expenditures and grants—rural power districts, power accounts receivable, funded debt issued or assumed, renewals reserves, contingencies and obsolescence reserves, stabilization of rates reserves, sinking fund reserves and the account with the Provincial Treasurer of the Province of Ontario.**

The tables which follow these general financial statements relate more particularly to the individual municipality's aspects of the wholesale activities of the Commission and for each system show the **cost of power** to the individual municipal utilities, the **credit or debit** adjustment that is made at the end of the fiscal year, and the **sinking fund** equity that has been acquired by the individual municipality. There is also included for each system a **rural operating** statement.

The charges for power supplied by the Commission to the various municipalities vary with the amounts of power used, the distances from the sources of supply and other factors. The entire capital cost of the various power developments and transmission systems is annually allocated to the connected municipalities and other wholesale power consumers, according to the relative use made of the lines and equipment. Each municipality assumes responsibility for that portion of property employed in providing and transmitting power for its use, together with such expenses—including the cost of purchased power if any—as are incidental to the provision and delivery of its wholesale power. The annual expenses and the appropriations for reserves are provided out of revenues collected in respect of such power, through the medium of power bills rendered by the Commission. The municipalities are billed at an estimated interim rate each month during the year and credit or debit adjustment is made at the end of the year,\* when the Commission's books are closed and the actual cost payable by each municipality for power taken has been determined.

Included in the municipality's remittance to the Commission for the wholesale cost of power—besides such current expenses as those for operation and maintenance of plant, for administration, and for interest on capital—are sums required to build up reserves for sinking fund, for renewals, for contingencies and obsolescence, and for stabilization of rates. The first-mentioned reserve, namely, sinking fund, is being created on a 40-year basis for the purpose of liquidating capital liabilities. The other reserves are, respectively, being created to provide funds for the replacing or rebuilding of plant as it wears out, to enable the undertaking to replace existing equipment with improved equipment as it becomes available through advances in science and invention, and to meet unforeseen expenses which from time to time may arise.

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\*The financial year for the Commission ends on October 31. The financial year for the municipal electric utilities, however, ends on December 31, and the municipal accounts are made up to this date, and so recorded in Section X.

The ultimate source of all revenue to meet costs—whether for the larger operations of The Hydro-Electric Power Commission or for the smaller local operations of the municipalities—is, of course, the consumer. Out of the total revenue collected by each municipal utility from its consumers for service supplied, only an amount sufficient to pay the wholesale cost of power supplied by the Commission as outlined above is remitted to the Commission; the balance of municipal electrical revenue is retained to pay for the expense incurred by the local utility in distributing the electrical energy to its consumers.

### Tabular Data

The following comments relate to the tabular data presented:

**Balance Sheet.**—The first tabular statement given in Section IX is a balance sheet showing the assets, and the liabilities of the several co-operative systems.

**Statement of Operation and Cost Distributions.**—This statement is a summary of operating expenses and fixed charges as shown in the “cost of power” tables relating to the individual systems as referred to more particularly below.

**Fixed Assets.**—Details are given concerning the various fixed assets of each system and of the miscellaneous properties, whilst similar details are shown of the capital expenditures for the year ended October 31, 1940.

**Capital Expenditures and Grants—Rural Power Districts.**—This schedule gives summary information respecting the total capital expenditures on rural power districts and grants-in-aid of construction paid or payable by the Province with respect to such rural districts.

**Power Accounts Receivable.**—This schedule sets forth the amounts collectable from all classes of power consumers and includes the annual adjustment figures from the “credit or charge” statements for municipalities. The main details of those debit balances three months or more overdue are stated.

**Funded Debt Issued or Assumed.**—This schedule presents a complete list of the securities issued or assumed by the Commission on account of the several systems, and the Northern Ontario Properties. It should be noted that where securities have been issued to finance properties operated for others, this liability is only shown in memorandum form on the balance sheet of the Commission, whilst the direct liability is shown on the balance sheets of the Northern Ontario Properties.

**Renewals Reserves,  
Contingencies and Obsolescence Reserves, and  
Stabilization of Rates Reserves.**

These schedules show the provisions made to, the expenditures from, and the balance to the credit of, these reserves for each of the systems and other properties included in the power undertakings operated on a cost basis.

**Sinking Fund Reserves.**—This schedule summarizes the appropriation of principal and interest with respect to these reserves for each of the systems and certain other properties.

**Account with the Provincial Treasurer.**—This schedule lists, both for the Niagara and other systems operated on a cost basis, and for the Northern Ontario Properties which are held and operated by the Commission in trust for the Province, the advances from the Province of Ontario and the repayments which have been applied to reduce this liability. It should be noted that Provincial advances to finance Northern Ontario Properties are shown in memorandum form only on the balance sheet of the Commission as the direct liability is carried on the Northern Ontario Properties' balance sheet.

Following these statements, which are common to all systems, there are given for each of the individual co-operative systems four tabular statements as follows:

**Cost of Power** statement, which shows the apportionment to each municipality of the items of cost summarized in the operating account, as well as the apportionment of fixed assets in service listed in the balance sheet and the amount of power taken by each municipality. It should be noted that the cost of power given in this table is the wholesale cost—that is, the cost which the Commission receives for the power delivered from the main transformer stations serving the local utility. In the case of municipal electrical utilities not directly administered by the Commission, the respective costs of power appear in Statement "B" of Section X as "power purchased".

**Credit or Charge** statement, which shows the adjustments made in order to bring the amounts paid by each municipal electric utility to the actual cost of service. The credits and charges for the municipal electric utilities are taken up and given effect to in the accounts of "Hydro" utilities.

**Sinking Fund** statement, which gives the accumulated total of the amounts paid by each municipality as part of the cost of power together with its proportionate share of other sinking funds.

**Rural Operating** statement, which summarizes for the rural power districts of the system the various items of cost, and the revenues received, in connection with the distribution of electrical energy to rural consumers.



## **Northern Ontario Properties**

The statements and schedules respecting these properties which are held and operated by the Commission in trust for the Province of Ontario include the balance sheet, operating and income accounts, schedules of fixed assets, renewals reserves, contingencies and obsolescence reserves, and sinking fund reserves. These schedules are similar in form to the corresponding schedules relating to the co-operative systems.

## **The Hamilton Street Railway Company**

This is a subsidiary of the Niagara system of the Commission. A balance sheet and operating and income account are presented.

## **Municipal Utilities**

All municipal "Hydro" utilities have current expenses to meet similar to the expenses of the Commission and have adopted the same financial procedure with respect to their operations. In other words, concurrently with the creation of funds to liquidate their debt to the Commission and to provide the necessary reserves to protect generating, transforming and transmission systems, the municipalities are taking similar action with respect to their local "Hydro" utility systems.

The balance sheets, operating reports and statistical data appearing in Section X, under the heading of "Municipal Accounts", relate to the operation of local distribution systems by individual municipalities which have contracted with the Commission for their supply of electrical energy. To this section there is an explanatory introduction to which the reader is specially referred.

## **Auditing of Accounts**

The accounts of The Hydro-Electric Power Commission of Ontario are verified by auditors specially appointed by the Provincial Government. The accounts of the "Hydro" utility of each individual municipality are prepared according to approved and standard practice and The Public Utilities Act requires that they shall be audited by the auditors of the municipal corporation.



**THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO****FINANCIAL ACCOUNTS**

**For the Year Ended October 31, 1940**

**Relating to Properties operated on a "Cost Basis" for the Co-operating  
Municipalities and Rural Power Districts which are supplied with  
Electrical Power and Services from the following Properties:**

**Niagara System**

**Georgian Bay System**

**Eastern Ontario System**

**Thunder Bay System**

**Service and Administrative  
Buildings and Equipment**

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**STATEMENTS**

**Balance Sheet as at October 31, 1940**

**Statements of Operations and Cost of Power for the Year ended  
October 31, 1940.**

**Schedules supporting the Balance Sheet as at October 31, 1940:**

**Fixed Assets—By Systems and Properties**

**Capital Expenditures and Grants—Rural Power Districts**

**Power Accounts Receivable**

**Funded Debt Issued or Assumed**

**Renewals Reserves**

**Contingencies and Obsolescence Reserves**

**Stabilization of Rates Reserves**

**Sinking Fund Reserves**

**Account with the Provincial Treasurer of the Province of Ontario  
Statements for Municipalities Receiving Power under Cost Contracts**



## THE HYDRO-ELECTRIC POWER

BALANCE SHEET AS AT OCTOBER 31, 1940, IN  
Niagara System                      Georgian Bay System

## ASSETS

<b>FIXED ASSETS:</b>		
Niagara system.....	\$231,576,095.73	
Georgian Bay system.....	14,817,133.07	
Eastern Ontario system.....	28,718,141.94	
Thunder Bay system.....	20,243,664.69	
Service and administrative buildings and equipment.....	4,036,390.35	
	<u>\$299,391,425.78</u>	
Less: Grants-in-aid of construction:		
Province of Ontario—for rural power districts.....	17,851,928.30	
		<u>\$281,539 497.48</u>
<b>INVESTMENTS:</b>		
The Hamilton Street Railway Company—Capital stock.....	\$ 3,000,000.00	
City of Toronto debentures (Toronto and York Radial)—Collateral.....	2,375,000.00	
Other investments.....	214,320.50	
		<u>5,589,320.50</u>
<b>CURRENT ASSETS:</b>		
Cash in banks.....	\$ 854,599.68	
Employees' working funds.....	71,199.89	
Sundry accounts receivable.....	842,407.68	
Power accounts receivable.....	4,355,791.62	
Hamilton Street Railway Company—Current account.....	27,112.86	
Interest accrued.....	652,742.57	
Consumers' and contractors' deposits:		
Cash deposits.....	\$ 36,238.75	
Securities—at par value.....	579,449.19	
	<u>615,687.94</u>	
Prepayments.....	107,176.71	
		<u>7,526,718.95</u>
<b>INVENTORIES:</b>		
Construction and maintenance materials and supplies.....	\$ 2,451,634.03	
Construction and maintenance tools and equipment.....	1,043,865.74	
Office equipment.....	100,474.78	
		<u>3,595,974.55</u>
<b>DEFERRED ASSETS:</b>		
Agreements and mortgages.....	\$ 2,030,006.64	
Rural district loans.....	110,941.74	
Work in progress—deferred work orders.....	213,976.48	
		<u>2,354 924.86</u>
<b>UNAMORTIZED DISCOUNT ON DEBENTURES.....</b>		<u>344,286.07</u>
<b>RESERVE FUNDS:</b>		
Investments—Specific reserves.....	\$ 46,850 208.04	
Employers' Liability Insurance Fund:		
Investments.....	\$1,046,338.27	
Deposits with the Workmen's Compensation Board.....	32,368.37	
	<u>1,078,706.64</u>	
Pension Fund, investments.....	6,538,076.26	
		<u>54,466,990.94</u>
<b>SINKING FUNDS:</b>		
Investments.....	\$ 317,139.14	
Deposits in the hands of trustees—including temporary investments.....	586,697.78	
		<u>903,836.92</u>
		<u>\$356,321,550.27</u>

## COMMISSION OF ONTARIO

## WHICH THE FOLLOWING PROPERTIES ARE INCLUDED:

Eastern Ontario System

Thunder Bay System

## LIABILITIES AND RESERVES

## LONG TERM LIABILITIES:

Funded Debt issued or assumed.....	\$110,158,667.42	
Less—Debentures issued to finance Northern Ontario Properties.....	29,560,000.00	
	\$ 80,598,667.42	
Advances from the Province of Ontario.....	\$144,807,085.14	
Less—Advances for Northern Ontario Properties.....	6,105,693.40	
	138,701,391.74	
Purchase Agreements:		
Thunder Bay system transmission lines.....	128,548.86	
		\$219,428,608.02

## CURRENT LIABILITIES:

Accounts and payrolls payable.....	\$ 1,841,276.72	
Power accounts—credit balances.....	40,698.60	
Northern Ontario Properties—Current account.....	1,742,010.12	
Advances from the Province of Ontario for rural loans.....	112,347.01	
Consumers' and contractors' deposits.....	651,117.63	
Debenture interest accrued.....	878,634.20	
Miscellaneous interest accrued.....	4,284.97	
Miscellaneous accruals.....	33,670.77	
Rural power districts grants—not allocated.....	86,210.06	
		5,390,250.08

RURAL POWER DISTRICTS—Rates suspense, net..... 1,336,521.54

UNAMORTIZED PREMIUM ON DEBENTURES..... 84,174.85

## RESERVES:

Renewals.....	\$ 46,699,671.53	
Contingencies and obsolescence.....	8,797,977.53	
Stabilization of rates.....	9,115,870.54	
Fire insurance.....	88,936.24	
Investment—subsidiary.....	108,702.20	
	\$ 64,811,158.04	
Employers' liability insurance.....	1,082,839.65	
Pension fund.....	6,626,542.35	
Miscellaneous.....	383,250.87	
		72,903,790.91

## SINKING FUND RESERVE:

## Represented by:

Funded debt retired through sinking funds.....	\$ 23,933,209.46	
Provincial advances retired through sinking funds.....	30,840,592.50	
Available balance.....	2,404,402.91	
		57,178,204.87
		<u>\$356,321,550.27</u>

## Auditors' Certificate

We have examined the Accounts of The Hydro-Electric Power Commission of Ontario for the year ended the 31st October, 1940, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the Commission's affairs at the 31st of October, 1940, according to the best of our information and the explanations given to us, and as shown by the books and records of the Commission. We have obtained all the information and explanations we have required.

Dated at Toronto, Ontario,  
31st March, 1941.

OSCAR HUDSON AND CO.,  
Chartered Accountants,

Auditors.

## THE HYDRO-ELECTRIC POWER

## Statement of Operations and Cost of Power for

System and property	Cost of power purchased	Operating maintenance and administrative expenses	Interest	Provision for renewals	Provision for contingencies and obsolescence
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
NIAGARA SYSTEM:					
Municipalities.....	5,174,102.01	2,802,849.44	7,002,428.43	1,067,844.83	460,000.35
Rural power districts....	324,644.01	263,546.96	536,016.97	99,282.44	37,514.32
Companies.....	1,743,571.57	980,563.53	1,927,206.16	258,328.18	148,910.12
Local distribut'n systems	27,059.36	59,045.37	47,359.24	10,765.10	4,993.87
Total.....	7,269,376.95	4,106,005.30	9,513,010.80	1,436,220.55	651,418.66
GEORGIAN BAY SYSTEM:					
Municipalities.....	65,525.67	297,465.21	333,644.61	86,933.05	26,605.62
Rural power districts....	18,288.50	69,666.89	85,170.38	23,391.77	6,846.61
Companies.....	3,327.61	12,781.02	15,829.09	4,161.24	1,273.71
Local distribut'n systems	1,379.82	13,108.65	11,613.27	3,844.18	1,518.02
Total.....	88,521.60	393,021.77	446,257.35	118,330.24	36,243.96
EASTERN ONTARIO SYSTEM:					
Municipalities.....	775,429.23	506,600.00	639,181.64	149,060.51	47,893.70
Rural power districts....	90,533.21	70,574.18	93,552.39	24,417.75	7,320.94
Companies.....	159,029.33	120,042.58	172,701.46	41,810.20	21,339.34
Local distribut'n systems	2,372.51	7,252.77	4,088.80	1,248.29	215.81
Pulp mill.....	5,268.28	3,627.74	5,517.39	1,050.59	404.37
Total.....	1,032,632.56	708,097.27	915,041.68	217,587.34	77,174.16
THUNDER BAY SYSTEM:					
Municipalities.....		174,131.21	559,622.33	101,694.90	53,861.26
Rural power districts....		1,668.95	6,285.42	1,317.83	612.31
Companies.....		88,390.83	238,758.99	40,664.24	33,939.32
Mining area—Mines.....		57,758.21	143,174.79	15,572.80	83,120.52
Mining area—Townsites.....		11,829.25	12,379.24	814.01	12,740.45
Total.....		333,778.45	960,220.77	160,063.78	184,273.86
COST OF DISTRIBUTION OF POWER WITHIN R.P.D.'s:					
Niagara system R.P.D.....	*1,413,431.89	776,828.50	508,073.34	216,388.78	.....
Georgian Bay sys. R.P.D.....	*247,772.18	144,388.77	113,474.64	45,957.27	.....
Eastern Ontario system R.P.D.....	*349,536.37	247,514.27	184,609.33	77,107.77	.....
Thunder Bay sys. R.P.D.....	*11,913.22	11,018.40	9,118.08	3,754.96	.....
Total.....	*2,022,653.66	1,179,749.94	815,275.39	343,208.78	.....
RURAL LINES OPERATED BY MUNICIPALITIES:					
Niagara rural lines.....			845.80	401.17	200.59
Georgian Bay rural lines.....			48.22	18.44	9.22
Total.....			894.02	419.61	209.81
Total for all systems.....	10,413,184.77	6,720,652.73	12,650,700.01	2,275,830.30	949,320.45
R.P.D.'s eliminations.....	*(2,022,653.66)				.....
Net total for all systems.....	8,390,531.11	6,720,652.73	12,650,700.01	2,275,830.30	949,320.45
GRAND SUMMARY:					
Niagara system.....	7,269,376.95	4,882,833.80	10,021,929.94	1,653,010.50	651,619.25
Georgian Bay system.....	88,521.60	537,410.54	559,780.21	164,305.95	36,253.18
Eastern Ontario system.....	1,032,632.56	955,611.54	1,099,651.01	294,695.11	77,174.16
Thunder Bay system.....		344,796.85	969,338.85	163,818.74	184,273.86
Total.....	8,390,531.11	6,720,652.73	12,650,700.01	2,275,830.30	949,320.45



## COMMISSION OF ONTARIO

Each System for the Year ended October 31, 1940

Provision for stabilization of rates	Provision for sinking fund	Operating balance in respect of power sold to private companies	Total cost	Amount received from (or billed against) municipalities and other customers	Amounts remaining to be credited or charged to municipalities	
					Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
993,045.70	1,584,815.14	(498,264.03)	18,586,821.87	18,804,593.69	331,040.42	113,268.60
62,507.42	121,282.83	(31,363.06)	*1,413,431.89	*1,413,431.89	.....	.....
1,432,168.38	432,384.98	514,427.14	7,437,560.06	7,437,560.06	.....	.....
.....	10,715.84	15,199.95	175,138.73	175,138.73	.....	.....
2,487,721.50	2,149,198.79	.....	27,612,952.55	27,830,724.37	331,040.42	113,268.60
111,968.40	73,735.33	(4,769.01)	991,108.88	1,027,259.32	40,135.88	3,985.44
26,732.00	18,814.61	(1,138.58)	*247,772.18	*247,772.18	.....	.....
29,106.42	3,496.73	5,651.00	75,626.82	75,626.82	.....	.....
.....	2,565.43	256.59	34,285.96	34,285.96	.....	.....
167,806.82	98,612.10	.....	1,348,793.84	1,384,944.28	40,135.88	3,985.44
345,207.60	142,321.50	(37,952.25)	2,567,741.93	2,640,783.11	88,879.10	15,837.92
47,538.00	20,826.25	(5,226.35)	*349,536.37	*349,536.37	.....	.....
4,907.77	37,459.02	37,844.81	595,134.51	595,134.51	.....	.....
.....	910.24	4,512.02	20,600.44	20,600.44	.....	.....
.....	1,228.26	821.77	17,918.40	17,918.40	.....	.....
397,653.37	202,745.27	.....	3,550,931.65	3,623,972.83	88,879.10	15,837.92
39,170.70	121,358.97	37,651.78	1,087,491.15	1,097,966.25	11,376.11	901.01
339.53	1,362.82	326.36	*11,913.22	*11,913.22	.....	.....
.....	50,286.00	(37,978.14)	414,061.24	414,061.24	.....	.....
78,575.88	21,755.05	.....	399,957.25	399,957.25	.....	.....
7,136.57	1,137.16	.....	46,036.68	46,036.68	.....	.....
125,222.68	195,900.00	.....	1,959,459.54	1,969,934.64	11,376.11	901.01
.....	114,960.11	.....	3,029,682.62	3,148,060.18	118,377.56	.....
.....	25,067.17	.....	576,660.03	522,873.55	.....	53,786.48
.....	41,097.09	.....	899,864.83	905,800.06	5,935.23	.....
.....	1,976.99	.....	37,781.65	33,978.56	.....	3,803.09
.....	183,101.36	.....	4,543,989.13	4,610,712.35	124,312.79	57,589.57
.....	361.05	.....	1,808.61	1,808.61	.....	.....
.....	16.60	.....	92.48	92.48	.....	.....
.....	377.65	.....	1,901.09	1,901.09	.....	.....
3,178,404.37	2,829,935.17	.....	39,018,027.80	39,422,189.56	595,744.30	191,582.54
.....	.....	.....	*(2,022,653.66)	*(2,022,653.66)	.....	.....
3,178,404.37	2,829,935.17	.....	36,995,374.14	37,399,535.90	595,744.30	191,582.54
2,487,721.50	2,264,519.95	.....	29,231,011.89	29,567,161.27	449,417.98	113,268.60
167,806.82	123,695.87	.....	1,677,774.17	1,660,138.13	40,135.88	57,771.92
397,653.37	243,842.36	.....	4,101,260.11	4,180,236.52	94,814.33	15,837.92
125,222.68	197,876.99	.....	1,985,327.97	1,991,999.98	11,376.11	4,704.10
3,178,404.37	2,829,935.17	.....	36,995,374.14	37,399,535.90	595,744.30	191,582.54

**THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO**  
**Fixed Assets—October 31, 1940**  
**NIAGARA SYSTEM**

Property	Net capital expenditures in the year	Fixed Assets				
		Under construction	In service			Total
			Water rights and intangible items	Physical property		
				Non-renewable	Renewable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Power Plants:						
Niagara river:						
Queenston-Chippawa.	83,623.66	86,107.12	.....	47,944,347.90	28,901,430.63	76,931,885.65
Ontario Power.....	14,809.33	.....	7,281,151.42	.....	14,923,982.51	22,205,133.93
Toronto Power.....	1,764.76	943.42	3,823,491.60	.....	7,690,611.25	11,515,046.27
Ottawa river:						
Chats Falls.....	7,552.45	2,366.38	.....	811,950.41	6,300,618.76	7,114,935.55
Welland canal:						
DeCew Falls.....	16,905.58	14.39	8,144,649.56	165,875.13	3,362,615.91	11,673,154.99
Hamilton steam plant	.....	.....	.....	502,390.58	.....	502,390.58
Preliminary river surveys.....	.....	.....	819,836.09	.....	.....	819,836.09
	87,315.10	89,431.31	20,069,128.67	49,424,564.02	61,179,259.06	130,762,383.06
Transformer Stations:						
Southern Ontario.....	2,028,751.50	621,997.83	.....	330,487.38	29,164,389.52	30,116,874.73
Eastern—Chats Falls..	310,731.48	341,102.83	.....	.....	10,194,063.06	10,535,165.89
	2,339,482.98	963,100.66	.....	330,487.38	39,358,452.58	40,652,040.62
Transmission Lines:						
Southern Ontario:						
Right-of-way.....	339,793.06	.....	.....	7,348,403.18	.....	7,348,403.18
Lines.....	587,689.88	259,316.85	.....	18,227.76	18,852,490.03	19,130,034.64
Eastern—Chats Falls:						
Right-of-way.....	1,983.75	.....	.....	1,641,463.05	.....	1,641,463.05
Lines.....	1,704,765.36	1,719,400.44	.....	.....	7,486,608.30	9,206,008.74
	2,630,264.55	1,978,717.29	.....	9,008,093.99	26,339,098.33	37,325,909.61
Local Systems:						
Niagara peninsula and Dundas area.....	52,527.06	46,829.22	.....	.....	263,695.82	310,525.04
Lincoln Electric:						
St. Catharines system.	187,327.61	.....	.....	.....	.....	.....
	134,800.55	46,829.22	.....	.....	263,695.82	310,525.04
Sub-total.....	4,922,262.08	3,078,078.48	20,069,128.67	58,763,145.39	127,140,505.79	209,050,858.33
Rural Power Districts:						
H-E-P.C. investment..	680,235.04	66,482.96	.....	.....	11,237,068.94	11,303,551.90
Government grants....	672,924.51	66,445.95	.....	.....	11,135,181.13	11,201,627.08
	1,353,159.55	132,928.91	.....	.....	22,372,250.07	22,505,178.98
Rural Lines:						
Welland and Milton...	.....	.....	.....	.....	20,058.42	20,058.42
	6,275,421.63	3,211,007.39	20,069,128.67	58,763,145.39	149,532,814.28	231,576,095.73

	Cost statements	Transfers for cost purposes	Fixed assets as above
	\$ c.	\$ c.	\$ c.
Cost of Power schedules.....	208,990,055.72	60,802.61	209,050,858.33
Rural Operating schedules.....	11,364,354.51	60,802.61	11,303,551.90
Rural Lines schedules.....	20,058.42	.....	20,058.42

**THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO**  
**Fixed Assets—October 31, 1940**  
**GEORGIAN BAY SYSTEM**

Property	Net capital expenditures in the year	Fixed Assets				
		Under construction	In service			Total
			Water rights and intangible items	Physical Property		
				Non-renewable	Renewable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Power Plants:						
Musquash river:						
Bala No. 1 and No. 2 plants..	5,029.96	578.66	68,658.43	1,810.00	45,002.08	116,049.17
Ragged Rapids.....	18,051.02	43.87		67,478.18	1,228,988.71	1,296,510.76
Big Eddy development.....	113,354.59	113,354.59				113,354.59
Lands and water rights:						
(Ragged Rapids, Big Eddy, Sandy Grey and Go Home developments).....			30,600.78	17,224.03		47,824.81
Severn river:						
Wasdells.....	110.70		15,302.32		133,251.09	148,553.41
Big Chute.....	13,721.17		122,540.48		563,121.54	685,662.02
Preliminary surveys.....			4,107.56			4,107.56
Beaver river:						
Eugenia.....	31,994.78	2,487.10	6,598.51	142,381.92	1,139,009.23	1,290,476.76
Saugeen river:						
Hanover.....	31,932.55			10,000.00		10,000.00
Walkerton.....	1,326.36		97,721.83		116,098.45	213,820.28
Southampton.....	5,395.17		132,488.58			132,488.58
Muskoka river:						
South Falls.....	11,726.09	50.88	17,365.93		435,730.71	453,147.52
Trethewey Falls.....	154.25		42,565.75	8,983.70	306,071.43	357,620.88
Hanna Chute.....	164.16			34,756.73	208,106.65	242,863.38
Hollow Lake dam.....				16,569.79	29,540.16	46,109.95
Preliminary surveys.....			14,912.93			14,912.93
Sauble river:						
Lands and rights.....	534.37	534.37	4,200.00			4,734.37
Gull river:						
Lands and rights.....			5,859.20			5,859.20
	125,327.63	117,049.47	562,922.30	299,204.35	4,204,920.05	5,184,096.17
Transformer Stations.....	346,067.22	5,089.84			1,800,174.52	1,805,264.36
Transmission Lines.....	30,615.70	58,894.69			2,712,132.86	2,771,027.55
Local Systems.....	2,679.63	19.35			98,826.06	98,845.41
Sub-total.....	504,690.18	181,053.35	562,922.30	299,204.35	8,816,053.49	9,859,233.49
Rural Power Districts:						
H-E.P.C. investment.....	282,853.21	376.49			2,559,220.16	2,559,596.65
Government grants.....	258,426.55	376.50			2,397,004.41	2,397,380.91
	541,279.76	752.99			4,956,224.57	4,956,977.56
Rural Lines:						
Brechin.....	1,915.15				922.02	922.02
	1,044,054.79	181,806.34	562,922.30	299,204.35	13,773,200.08	14,817,133.07

	Cost statements	Transfers for cost purposes	Fixed assets as above
	\$ c.	\$ c.	\$ c.
Cost of Power schedules.....	9,840,801.18	18,432.31	9,859,233.49
Rural Operating schedules.....	2,578,028.96	18,432.31	2,559,596.65
Rural Lines schedules.....	922.02		922.02



**THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO**  
**Fixed Assets—October 31, 1940**  
**EASTERN ONTARIO SYSTEM**

Property	Net capital expenditures in the year	Fixed Assets				Total
		Under construction	In service			
			Water rights and intangible items	Physical property		
Non-renewable	Renewable					
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Power Plants:						
Fenelon river:						
Fenelon Falls.....	1,408.18	1,373.37	60,000.00		84,435.54	145,808.91
Otonabee river:						
Auburn.....	1,352.39	215.77	31,400.00		290,679.15	322,294.92
Douro.....					68,478.30	68,478.30
Lakefield.....	1,168.64	1,168.64	15,054.96	4,565.09	217,659.86	238,448.55
Young's Point.....			1,978.09	752.72	7,813.69	10,544.50
Trent river:						
Heely Falls.....	1,823.89				1,190,356.12	1,190,356.12
Seymour.....	2,314.38	652.73			304,101.73	304,754.46
Ranney Falls.....	1,811.96				1,344,642.84	1,344,642.84
Ranney Falls No. 3.....	16.48			18,596.20	54,489.18	73,085.38
Crow river.....			1,000.00			1,000.00
Hagues Reach.....	23.33				574,302.26	574,302.26
Meyersburg.....	818.39				838,665.83	838,665.83
Sills Island.....	554.07	1,400.21		38,679.36	241,011.37	281,090.94
Frankford.....	1.90				252,774.82	252,774.82
Sydney.....	186.65	191.41			251,887.69	252,079.10
Deer river:						
Cordova Power site.....	10.00		2,224.69			2,224.69
Gull river:						
Norland and Elliot Chute site.....			17,577.60			17,577.60
Mississippi river:						
High Falls.....	105.35			13,113.84	686,697.40	699,811.24
Carleton Place.....				9,929.06	47,847.10	57,776.16
Galetta.....				20,000.00	128,118.21	148,118.21
Ragged Chutes, Playfair and Appleton sites.....	447.43		52,845.88			52,845.88
Rosebank and Blakeney sites.....			23,321.18			23,321.18
Pakenham.....	16.06			999.81		999.81
Surveys.....			10,594.39			10,594.39
Madawaska river:						
Barrett Chute development.....	36,392.52	36,392.52				36,392.52
Calabogie.....	268.48			80,825.74	677,537.95	758,363.69
Storage dams.....	1.00		2,001.00	555.00	16,075.18	18,631.18
Undeveloped sites.....			650,000.00			650,000.00
Preliminary river surveys.....			132,224.23			132,224.23
Miscellaneous.....	2,953.39	1,095.28			49,313.32	50,408.60
Intangible.....			2,217,761.29			2,217,761.29
	49,929.77	42,489.93	3,217,983.31	188,016.82	7,326,887.54	10,775,377.60
Transformer Stations.....	631,279.95	347,578.93		76,441.68	3,318,643.68	3,742,664.29
Transmission Lines.....	855,980.06	56,949.44		394,639.61	5,611,593.94	6,063,182.99
Local Electric Systems.....	907.96		703.00		27,551.20	28,254.20
Campbellford Pulp Mill.....	52,559.93					
Sub-total.....	1,485,537.81	447,018.30	3,218,686.31	659,098.11	16,284,676.36	20,609,479.08
Rural Power Districts:						
H-E.P.C. investment.....	449,195.81	854.74			4,078,985.38	4,079,840.12
Government grants.....	446,452.53	825.62			4,027,997.12	4,028,822.74
	895,648.34	1,680.36			8,106,982.50	8,108,662.86
	2,381,186.15	448,698.66	3,218,686.31	659,098.11	24,391,658.86	28,718,141.94

	Cost statements	Transfers for cost purposes	Fixed assets as above
	\$ c.	\$ c.	\$ c.
Cost of Power schedules.....	20,572,653.56	36,825.52	20,609,479.08
Rural Operating schedules.....	4,116,665.64	36,825.52	4,079,840.12

## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1940

## THUNDER BAY SYSTEM

Property	Net capital expenditures in the year	Fixed Assets				Total
		Under construction	In service			
			Water rights and intangible items	Physical property		
				Non-renewable	Renewable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Power Plants:						
Nipigon river:						
Cameron Falls.....	4,755.14			236,600.51	8,965,337.77	9,201,938.28
Alexander.....	3,811.74			76,898.44	5,369,755.88	5,446,654.32
Virgin Falls dam.....				55,450.41	426,736.74	482,187.15
Deficit, 1921-1923.....			620,818.33			620,818.33
Preliminary surveys.....			30,242.35			30,242.35
	943.40		651,060.68	368,949.36	14,761,830.39	15,781,840.43
Transformer Stations.....	20,904.68	2,219.33		359,567.06	887,306.73	1,249,093.12
Transmission Lines.....	295.75	1,143.69		961,667.57	1,722,659.43	2,685,470.69
Local Systems.....	7,280.97	1,491.32		77,573.99		79,065.31
Sub-total.....	28,833.30	4,854.34	651,060.68	1,767,757.98	17,371,796.55	19,795,469.55
Rural Power Districts:						
H-E.P.C. investments.....	54,885.87				224,097.57	224,097.57
Government grants.....	54,885.87				224,097.57	224,097.57
	109,771.74				448,195.14	448,195.14
	138,605.04	4,854.34	651,060.68	1,767,757.98	17,819,991.69	20,243,664.69

	Cost statements	Fixed assets as above
	\$ c.	\$ c.
Cost of Power schedules.....	19,795,469.55	19,795,469.55
Rural Operating schedules.....	224,097.57	224,097.57

## ADMINISTRATIVE AND SERVICE BUILDINGS AND EQUIPMENT

Property	Net capital expenditures in the year	Fixed Assets				
		Under construction	In service			Total
			Water rights and intangible items	Physical property		
				Non-renewable	Renewable	
Administrative Building:	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Toronto:						
University Avenue.....	757,957.61	740,470.35	.....	257,915.52	1,481,924.51	2,480,310.38
Elm and Centre Streets.....			.....		160,821.95	160,821.95
	757,957.61	740,470.35	.....	257,915.52	1,642,746.46	2,641,132.33
Service Buildings and Equipment:						
Toronto:						
Strachan Avenue.....	7,805.53	.....	.....		547,083.90	547,083.90
1379 Bloor Street West.....	3,540.83	.....	.....		76,104.04	76,104.04
Cobourg.....		.....	.....		22,070.08	22,070.08
Hamilton.....		.....	.....	750,000.00	.....	750,000.00
	11,346.36	.....	.....	750,000.00	645,258.02	1,395,258.02
	769,303.97	740,470.35	.....	1,007,915.52	2,288,004.48	4,036,390.35

## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1940

## SUMMARY

System or Property	Net capital expenditures in the year	Fixed Assets				
		Under construction	In service			Total
			Water rights and intangible items	Physical property		
				Non-renewable	Renewable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Niagara system.....	6,275,421.63	3,211,007.39	20,069,128.67	58,763,145.39	149,532,814.28	231,576,095.73
Georgian Bay system...	1,044,054.79	181,806.34	562,922.30	299,204.35	13,773,200.08	14,817,133.07
Eastern Ontario system.	2,381,186.15	448,698.66	3,218,686.31	659,098.11	24,391,658.86	28,718,141.94
Thunder Bay system. . .	138,605.04	4,854.34	651,060.68	1,767,757.98	17,819,991.69	20,243,664.69
Service and administrative buildings and equipment.....	769,303.97	740,470.35	.....	1,007,915.52	2,288,004.48	4,036,390.35
Non-system properties:						
Bonnechere River storage.....	(51,741.88)	.....	.....	.....	.....	.....
Transferred to Northern Ontario Properties	(362,578.60)	.....	.....	.....	.....	.....
	10,194,251.10	4,586,837.08	24,501,797.96	62,497,121.35	207,805,669.39	299,391,425.78
Less: Grants in aid of construction:						
Province of Ontario for rural power districts..	1,432,689.46	67,648.07	.....	.....	17,784,280.23	17,851,928.30
Transferred to Northern Ontario Properties as at October 31, 1939. .	(177,431.79)	.....	.....	.....	.....	.....
	1,255,257.67	.....	.....	.....	.....	.....
	8,938,993.43	4,519,189.01	24,501,797.96	62,497,121.35	190,021,389.16	281,539,497.48



**THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO**  
**CAPITAL EXPENDITURES AND GRANTS—RURAL POWER DISTRICTS**

Summary at October 31, 1940

Statement showing the Total Capital Expenditures to October 31, 1940, on the construction of Primary and Secondary lines in Rural Power Districts; the portion thereof in course of construction, and the investment in lines in operation; also the amounts of the Grants (fifty per cent of both Primary and Secondary lines) paid or payable to the Commission by the Province of Ontario up to October 31, 1940

System	Total capital expenditure	In course of construction	In operation	Grants (50% of Primary and Secondary lines) paid or payable by the Province as authorized by Orders-in-Council*
	\$ c.	\$ c.	\$ c.	\$ c.
Niagara system.....	22,505,178.98	132,928.91	22,372,250.07	11,201,627.08
Georgian Bay system.....	4,956,977.56	752.99	4,956,224.57	2,397,380.91
Eastern Ontario system.....	8,108,662.86	1,680.36	8,106,982.50	4,028,822.74
Thunder Bay system.....	448,195.14	.....	448,195.14	224,097.57
Sub-total.....	36,019,014.54	135,362.26	35,883,652.28	17,851,928.30
Northern Ontario Properties..	596,068.39	.....	596,068.39	296,969.74
Totals.....	36,615,082.93	135,362.26	36,479,720.67	18,148,898.04

\*Grants not made by Province in respect of a summer resort, street lighting systems in 78 districts, service buildings in 5 districts and amounts paid for business already established (hereinafter called Intangible Assets) in 11 rural distribution systems purchased from private companies.

NOTE:

The Grants paid over by the Province to the Commission up to October 31, 1940, on account of authorized grants to rural power districts—amount to.....\$18,235,108.10

The Grants payable by the Province—as above set out—in respect of rural power districts as at October 31, 1940, amount in the aggregate to.....18,148,898.04

A balance of.....\$86,210.06

Which balance represents:

Grant funds in the hands of the Commission at October 31, 1940, not allocated, but to apply against the construction of authorized rural power districts and extension to existing districts.....\$86,210.06

## THE HYDRO-ELECTRIC POWER

## Power Accounts Receivable

System or property	Wholesale power consumers			
	Interim power bills	Accumulated amount standing as a charge or credit on October 31, 1940		Net total for wholesale consumers
		Charge	Credit	
	\$ c.	\$ c.	\$ c.	\$ c.
NIAGARA SYSTEM:				
Municipalities.....	1,953,365.96	137,853.98	331,040.42	1,760,179.52
Companies.....	778,587.64			778,587.64
Rural and local.....				
	2,731,953.60	137,853.98	331,040.42	2,538,767.16
GEORGIAN BAY SYSTEM:				
Municipalities.....	127,084.52	6,694.65	41,253.27	92,525.90
Companies.....	17,819.69			17,819.69
Rural and local.....				
	144,904.21	6,694.65	41,253.27	110,345.59
EASTERN ONTARIO SYSTEM:				
Municipalities.....	324,877.89	15,837.92	88,879.10	251,836.71
Companies.....	60,789.38			60,789.38
Rural.....				
Local.....				
	385,667.27	15,837.92	88,879.10	312,626.09
THUNDER BAY SYSTEM:				
Municipalities.....	166,034.50	901.01	11,376.11	155,559.40
Companies.....	149,335.23			149,335.23
Rural and local.....				
	315,369.73	901.01	11,376.11	304,894.63
Grand totals.....	3,577,894.81	161,287.56	472,548.90	3,266,633.47

## COMMISSION OF ONTARIO

—October 31, 1940

Retail power consumers— local and rural districts	Net total of power accounts receivable	Balance sheet figures		Debit balances three months or more overdue
		Debit balances	Credit balances	
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	1,760,179.52	1,794,038.42	33,858.90	24,585.38
.....	778,587.64	778,587.64	.....	.....
656,270.02	656,270.02	656,270.02	.....	14,603.33
656,270.02	3,195,037.18	3,228,896.08	33,858.90	39,188.71
.....	92,525.90	95,622.43	3,096.53	2,709.21
.....	17,819.69	17,819.69	.....	.....
148,157.27	148,157.27	148,157.27	.....	7,181.10
148,157.27	258,502.86	261,599.39	3,096.53	9,890.31
.....	251,836.71	255,579.88	3,743.17	609.51
.....	60,789.38	60,789.38	.....	186.28
228,739.79	228,739.79	228,739.79	.....	11,801.61
2,808.87	2,808.87	2,808.87	.....	43.05
231,548.66	544,174.75	547,917.92	3,743.17	12,640.45
.....	155,559.40	155,559.40	.....	.....
.....	149,335.23	149,335.23	.....	82,040.25
12,483.60	12,483.60	12,483.60	.....	1,527.89
12,483.60	317,378.23	317,378.23	.....	83,568.14
1,048,459.55	4,315,093.02	4,355,791.62	40,698.60	145,287.61



## THE HYDRO-ELECTRIC POWER

## Funded Debt Issued or

Description	Application of proceeds
6% H-E.P.C. debentures.....	Toronto Power Company
6% " ".....	T. & Y. R.R. equipment
2½% " ".....	Refunding Province of Ont. advances, etc.
6% " ".....	Refunding Ontario Power Company
3½% " ".....	Refunding D. P. & T. and E. D. Co.'s.
5% Ontario Power Co. bonds.....	Ontario Power Company
2½% H-E.P.C. debentures.....	Refunding Province of Ont. advances, etc.
5% Ontario Transmission Co. bonds.....	Ontario Transmission Company
3% H-E.P.C. debentures.....	Financing Plant Extensions
3¼% " ".....	Refunding Toronto Power Company
4% " ".....	Ontario Power Company
4% " ".....	Essex system
4% " ".....	Thorold system
4¾% " ".....	Dominion Power & Transmission Co.
Municipal debentures assumed.....	
RADIAL RAILWAYS:	
6% Hydro-Electric Railway bonds.....	Toronto & York Radial
Funded debt as shown on the Balance Sheet of the Hydro-Electric Power Commission of Ontario.....	
NORTHERN ONTARIO PROPERTIES:	
2½% H-E.P.C. debentures.....	Abitibi and St. Joseph districts
2½% " ".....	{ Refunding Ontario Power Service Corp'n and for financing plant extensions
3½% " ".....	Financing Plant extensions
3% " ".....	
Funded Debt relating to all properties vested in, or operated by, the Commission.....	

## COMMISSION OF ONTARIO

Assumed—October 31, 1940

Date of issue	Date of maturity	Principal outstanding October 31, 1940	Interest for the year 1939-1940	Interest accrued October 31, 1940
		\$ c.	\$ c.	\$ c.
December 1, 1920	December 1, 1940	413,200.00	24,792.00	10,330.00
December 1, 1920	December 1, 1940	204,800.00	12,313.00	5,120.00
March 1, 1936	March 1, 1941	10,000,000.00	250,000.00	41,666.67
June 24, 1921	June 24, 1941	3,200,000.00	192,000.00	67,857.53
January 1, 1935	January 1, 1943	10,000,000.00	350,000.00	116,666.66
February 1, 1903	February 1, 1943	7,454,000.00	372,700.00	93,175.00
June 15, 1936	June 15, 1944	10,000,000.00	250,000.00	93,750.00
May 1, 1905	May 1, 1945	1,145,000.00	57,875.00	.....
August 1, 1938	August 1, 1948	6,940,000.00	208,200.00	52,050.00
February 1, 1938	February 1, 1953	9,000,000.00	292,500.00	73,125.00
August 1, 1917	August 1, 1957	8,000,000.00	320,000.00	80,000.00
June 1, 1918	June 1, 1958	200,000.00	8,000.00	3,333.34
December 1, 1918	December 1, 1958	100,000.00	4,000.00	1,666.67
January 1, 1930	January 1, 1970	11,864,000.00	586,023.46	187,846.66
		78,521,000.00	2,928,403.46	826,587.53
		1,667.42	440.00	146.67
		78,522,667.42	2,928,843.46	826,734.20
December 1, 1920	December 1, 1940	2,076,000.00	126,055.00	51,900.00
		80,598,667.42	3,054,898.46	878,634.20
March 1, 1936	March 1, 1941	5,000,000.00	125,000.00	20,833.33
April 1, 1937	April 1, 1942	11,000,000.00	275,000.00	22,916.66
April 1, 1937	April 1, 1947	8,000,000.00	280,000.00	23,333.33
August 1, 1938	August 1, 1948	5,560,000.00	166,800.00	41,700.00
		29,560,000.00	846,800.00	108,783.32
		110,158,667.42	3,901,698.46	987,417.52

## THE HYDRO-ELECTRIC POWER

## Renewals Reserves

	Niagara system	Georgian Bay system
	\$ c.	\$ c.
Balances at November 1, 1939.....	32,456,213.47	2,466,359.21
Transferred during the year.....		(2,408.53)
Provision in the year—direct.....	1,653,010.50	164,305.95
indirect.....		
Interest at 4% on reserves' balances.....	1,298,248.54	98,556.48
Adjustments re transfer of equipment.....	(76,567.51)	
Sub-total.....	35,330,905.00	2,726,813.11
Expenditures for the year.....	529,046.51	109,924.48
Balances at October 31, 1940.....	34,801,858.49	2,616,888.63
Account balances:		
Power plants, transmission lines and transformer stations.....	30,942,603.81	2,200,551.96
Rural power districts.....	3,850,977.34	415,967.40
Rural lines.....	8,277.34	369.27
Administrative office building.....		
Service buildings and equipment.....		
	34,801,858.49	2,616,888.63

## THE HYDRO-ELECTRIC POWER

## Contingencies and Obsolescence

	Niagara system	Georgian Bay system
	\$ c.	\$ c.
Balances at November 1, 1939.....	5,025,468.05	575,339.10
Adjustment for steam and mining equipment transferred from sinking fund reserve.....	218,510.56	
Transferred during the year.....	85,356.04	(313.88)
Provision in the year as per cost statement.....	651,619.25	36,253.18
Interest at 4% on reserves' balances.....	201,018.72	23,001.00
Sub-total.....	6,181,972.62	634,279.40
Contingencies met with during the year.....	1,434,325.64	87,559.85
Terminal building, Hamilton.....	28,186.45	
Balances at October 31, 1940.....	4,719,460.53	546,719.55
Account balances:		
Power plants, transmission lines, transformer stations and rural power districts.....	4,715,470.41	546,563.48
Rural lines.....	3,990.12	156.07
	4,719,460.53	546,719.55



## COMMISSION OF ONTARIO

—October 31, 1940

Eastern Ontario system	Thunder Bay system	Service and administrative buildings and equipment	Totals for power undertakings operated on a "cost basis"
\$ c.	\$ c.	\$ c.	\$ c.
5,251,578.51	2,733,600.48	573,593.20	43,481,344.87
4,432.65	.....	.....	2,024.12
294,695.11	163,818.74	.....	2,275,830.30
.....	.....	13,071.28	13,071.28
209,267.87	109,344.02	19,774.13	1,735,191.04
(21,637.38)	.....	.....	(98,204.89)
5,738,336.76	3,006,763.24	606,438.61	47,409,256.72
68,451.66	1,252.74	909.80	709,585.19
5,669,885.10	3,005,510.50	605,528.81	46,699,671.53
4,788,945.19	2,982,112.56	.....	40,914,213.52
880,939.91	23,397.94	.....	5,171,282.59
.....	.....	.....	8,646.61
.....	.....	203,037.74	203,037.74
.....	.....	402,491.07	402,491.07
5,669,885.10	3,005,510.50	605,528.81	46,699,671.53

## COMMISSION OF ONTARIO

Reserves—October 31, 1940

Eastern Ontario system	Thunder Bay system	Total for power undertakings operated on a "cost basis"
\$ c.	\$ c.	\$ c.
1,658,641.27	1,235,931.11	8,495,379.53
45,006.26	305,020.71	568,537.53
35,555.76	.....	120,597.92
77,174.16	184,273.86	949,320.45
66,345.65	49,437.24	339,802.61
1,882,723.10	1,774,662.92	10,473,638.04
121,183.25	4,405.32	1,647,474.06
.....	.....	28,186.45
1,761,539.85	1,770,257.60	8,797,977.53
1,761,539.85	1,770,257.60	8,793,831.34
.....	.....	4,146.19
1,761,539.85	1,770,257.60	8,797,977.53

## THE HYDRO-ELECTRIC POWER

## Stabilization of Rates Reserves

	Niagara system	Georgian Bay system
	\$ c.	\$ c.
Balances at November 1, 1939.....	4,736,914.34	270,260.79
Appropriations in the year as per costs statement.....	2,487,721.50	167,806.82
Interest at 4% on stabilization balances.....	189,476.57	10,810.43
Balances at October 31, 1940.....	7,414,112.41	448,878.04
Account balances:		
Systems.....	7,414,112.41	448,878.04

## THE HYDRO-ELECTRIC POWER

## Sinking Fund Reserves

	Niagara system	Georgian Bay system
	\$ c.	\$ c.
Balances at November 1, 1939.....	45,075,645.22	1,815,681.56
Adjustment for steam and mining equipment transferred to Contingencies reserve.....	(218,510.56)	.....
Transferred during the year.....	(141.30)	(1,773.08)
Provision in the year—direct.....	2,264,519.95	123,695.87
indirect.....	.....	.....
Interest at 4% on reserves' balances.....	1,803,025.81	72,556.34
Balances at October 31, 1940.....	48,924,539.12	2,010,160.69
Account balances:		
Systems.....	47,674,515.89	1,852,542.83
Rural power districts.....	1,232,916.12	157,086.98
Rural lines.....	17,107.11	530.88
Administrative office buildings.....	.....	.....
Service buildings and equipment.....	.....	.....
	48,924,539.12	2,010,160.69

## COMMISSION OF ONTARIO

—October 31, 1940

Eastern Ontario system	Thunder Bay		Total for power undertakings operated on a "cost basis"
	system	Mining area	
\$ c. 522,274.10 397,653.37 20,890.96	\$ c. 157,743.22 39,510.23 6,309.73	\$ c. 21,909.64 85,712.45 876.39	\$ c. 5,709,102.09 3,178,404.37 228,364.08
940,818.43	203,563.18	108,498.48	9,115,870.54
940,818.43	203,563.18	108,498.48	9,115,870.54

## COMMISSION OF ONTARIO

—October 31, 1940

Eastern Ontario system	Thunder Bay system	Service and administrative buildings and equipment	Totals for power undertakings operated on a "cost basis"
\$ c. 2,672,212.00 (45,006.26) 996.27 243,842.36 106,928.33	\$ c. 2,724,513.85 (305,020.71) 197,876.99 108,980.55	\$ c. 491,858.95 ..... ..... 26,648.37 19,674.36	\$ c. 52,779,911.58 (568,537.53) (918.11) 2,829,935.17 26,648.37 2,111,165.39
2,978,972.70	2,726,350.68	538,181.68	57,178,204.87
2,689,939.62 289,033.08 ..... .....	2,718,455.65 7,895.03 ..... .....	..... ..... 332,921.42 205,260.26	54,935,453.99 1,686,931.21 17,637.99 332,921.42 205,260.26
2,978,972.70	2,726,350.68	538,181.68	57,178,204.87



## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

## Account with

The Provincial Treasurer of the Province of Ontario

As at October 31, 1940

## ADVANCES FROM THE PROVINCE OF ONTARIO

	Total	Northern Ontario Properties operated for the Province of Ontario	Niagara and other systems operated on a "cost basis"
	\$ c.	\$ c.	\$ c.
ADVANCES FOR CAPITAL EXPENDITURES:			
Cash advances made by the Province to the Commission for capital expenditures purposes during the years 1909 to 1934, inclusive.....	207,250,258.34	8,331,113.46	198,919,144.88
Cash returned by the Commission to the Province on April 30, 1935, to cover the difference between advances made by the Province to the Commission during the year ended October 31, 1934, and the capital expenditures made out of such advances by the Commission in that year .....	247,507.98	74,001.99	173,505.99
Total advances for capital expenditures .....	207,002,750.36	8,257,111.47	198,745,638.89
REPAYMENTS OF ADVANCES—1926 TO 1933:			
Cash repayments made by the Commission to the Province during the years 1926 to 1933 inclusive, which have been applied in each subsequent year to reduce the Commission's share in maturing Provincial obligations.....	17,008,616.73	3,061.39	17,005,555.34
Commission's share in Provincial Bonds at October 31, 1934.....	189,994,133.63	8,254,050.08	181,740,083.55
REPAYMENTS OF ADVANCES:			
Retirements of Commission's share of Provincial bonds matured in the period November 1, 1934, to October 31, 1940:			
In year ended Oct. 31, 1935...\$ 3,946,628.69			
" " " " 1936... 21,998,092.45			
" " " " 1937... 13,557,615.63			
" " " " 1938... 1,777,019.93			
" " " " 1939... 2,151,516.02			
" " " " 1940... 1,756,175.77			
	45,187,048.49	2,148,356.68	43,038,691.81
Commission's share in Provincial bonds at October 31, 1940.....	144,807,085.14	6,105,693.40	138,701,391.74

**THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO**

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**STATEMENTS FOR MUNICIPALITIES**  
**RECEIVING POWER UNDER COST CONTRACTS****For the Year ended October 31, 1940**

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**STATEMENTS FOR EACH SYSTEM****Cost of Power****Credit or Charge****Sinking Fund****Rural Operating**

## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1939	From Jan. 1, 1940			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Acton.....	28.50	28.50	249,474.75	1,095.3	7,110.87	5,307.64	11,610.42
Agincourt.....	35.50	35.50	58,470.05	192.8	1,251.69	964.46	2,282.66
Ailsa Craig.....	44.00	44.00	33,720.96	110.4	716.74	1,201.04	1,558.58
Alvinston.....	68.00	63.00	38,375.84	101.3	657.66	1,431.45	1,795.98
Amherstburg.....	33.50	33.50	224,094.39	836.1	5,428.10	6,140.22	10,100.15
Ancaster twp.....	27.50	27.50	78,544.27	377.7	2,452.09	1,675.19	3,622.95
Arkona.....	65.00	65.00	24,121.45	57.3	372.00	858.86	1,109.44
Aylmer.....	30.50	30.50	167,247.01	709.9	4,608.79	3,504.14	7,620.86
Ayr.....	29.50	29.50	50,995.82	207.6	1,347.77	1,191.54	2,343.28
Baden.....	28.50	28.50	75,139.96	339.3	2,202.79	1,696.55	3,493.79
Beachville.....	28.50	28.50	113,853.33	512.3	3,325.94	2,995.92	5,287.50
Beamsville.....	26.00	26.00	78,489.09	398.4	2,586.48	1,634.61	3,636.79
Belle River.....	34.50	34.50	42,924.07	164.0	1,064.72	1,094.54	1,932.08
Blenheim.....	34.50	34.50	127,782.97	528.8	3,433.06	3,484.41	5,823.77
Blyth.....	47.00	47.00	38,481.53	120.3	781.01	1,092.65	1,781.75
Bolton.....	38.50	38.50	49,112.15	167.1	1,084.84	1,226.89	2,119.56
Bothwell.....	42.50	42.50	36,809.68	138.3	897.87	1,211.55	1,677.91
Brampton.....	27.00	27.00	551,805.74	2,869.9	18,631.87	13,709.83	25,608.18
Brantford.....	23.50	23.50	3,152,768.76	15,891.0	103,167.01	60,000.31	144,924.15
Brantford twp....	27.50	27.50	156,392.51	790.1	5,129.46	5,738.43	7,175.20
Bridgeport.....	31.50	31.50	27,863.71	114.0	740.11	640.37	1,292.37
Brigden.....	55.00	55.00	29,332.60	82.3	534.31	921.25	1,339.43
Brussels.....	44.00	44.00	44,755.92	146.5	951.10	1,293.07	2,077.31
Burford.....	30.50	30.50	44,310.13	196.2	1,273.76	1,064.98	2,033.36
Burgessville.....	50.50	50.50	14,238.49	44.7	290.20	461.77	656.60
Caledonia.....	27.50	27.50	82,397.13	367.1	2,383.27	1,973.41	3,788.43
Campbellville....	55.50	50.00	12,823.41	35.3	229.17	553.98	590.24
Cayuga.....	42.00	42.00	41,469.54	140.7	913.45	1,143.37	1,914.85
Chatham.....	26.50	26.50	1,328,824.76	6,287.3	40,818.20	27,340.57	60,704.19
Chippawa.....	21.50	21.50	43,856.51	296.4	1,924.28	883.85	2,029.13
Clifford.....	50.00	50.00	31,774.32	90.5	587.54	923.58	1,469.20
Clinton.....	33.50	33.50	140,551.94	572.3	3,715.47	3,292.92	6,531.32
Comber.....	41.50	41.50	39,458.96	127.5	827.75	1,235.85	1,813.81
Cottam.....	40.50	40.50	22,944.83	77.0	499.90	717.33	1,034.44
Courtright.....	64.00	60.00	19,330.12	43.3	281.11	783.17	883.85
Dashwood.....	42.00	42.00	25,592.15	84.6	549.24	590.23	1,164.76
Delaware.....	34.00	34.00	15,430.28	68.7	446.01	514.00	712.31
Delhi.....	36.00	36.00	144,196.07	563.2	3,656.39	2,950.21	6,527.74
Dorchester.....	36.00	36.00	26,474.57	104.4	677.78	772.86	1,222.79
Drayton.....	50.00	50.00	43,744.97	118.7	770.62	1,214.33	2,029.14



## SYSTEM

## N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1940

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,147.60	814.86	1,369.13	2,628.57	686.96	30,302.13	31,215.35	913.22
443.62	148.29	241.00	519.29	120.92	5,730.09	6,845.29	1,115.20
344.04	108.71	138.00	355.22	69.24	4,353.09	4,859.07	505.98
435.11	122.82	126.63	412.58	63.53	4,918.70	6,462.22	1,543.52
1,981.33	737.96	1,045.13	2,292.10	524.40	27,200.59	28,007.69	807.10
624.20	247.43	472.13	821.54	236.89	9,678.64	10,387.20	708.56
272.78	74.14	71.63	252.09	35.94	2,975.00	3,722.35	747.35
1,420.77	534.90	887.38	1,728.52	445.24	19,860.12	21,652.71	1,792.59
453.15	168.66	259.50	530.93	130.21	6,164.62	6,123.47	(41.15)
630.87	246.47	424.13	791.58	212.81	9,273.37	9,669.57	396.20
955.69	384.04	640.37	1,197.30	321.31	14,465.45	14,600.57	135.12
636.14	266.99	498.00	825.94	249.87	9,835.08	10,357.54	522.46
373.01	138.75	205.00	438.62	102.86	5,143.86	5,657.15	513.29
1,093.87	414.65	661.00	1,325.33	331.66	15,904.43	18,241.89	2,337.46
399.62	121.05	150.38	405.52	75.45	4,656.53	5,656.07	999.54
448.00	142.34	208.88	483.84	104.80	5,609.55	6,434.95	825.40
336.93	121.07	172.88	382.32	86.74	4,713.79	5,878.82	1,165.03
4,133.79	1,675.41	3,587.38	5,810.30	1,799.98	71,356.78	77,487.54	6,130.76
23,865.18	9,970.25	16,688.75	32,777.49	8,373.64	383,019.50	376,333.31	(6,686.19)
1,160.09	487.13	987.63	1,624.34	495.54	21,806.74	21,726.38	(80.36)
251.23	88.96	142.50	293.53	71.50	3,377.57	3,591.66	214.09
311.72	95.27	102.88	305.86	51.62	3,559.10	4,526.03	966.93
455.05	142.14	183.13	471.66	91.88	5,481.58	6,443.80	962.22
370.68	144.52	245.25	461.35	123.06	5,470.84	5,983.09	512.25
147.88	44.06	55.88	149.74	28.04	1,778.09	2,259.45	481.36
691.14	270.94	458.88	857.77	230.24	10,193.60	10,096.40	(97.20)
141.47	40.48	44.13	135.08	22.14	1,712.41	1,798.54	86.13
416.33	129.12	175.88	435.07	88.25	5,039.82	5,908.35	868.53
10,148.53	4,213.79	7,859.13	13,752.06	3,943.34	160,893.13	166,613.30	5,720.17
255.38	121.97	370.50	461.51	185.90	5,860.72	6,371.53	510.81
343.10	98.25	113.13	334.88	56.76	3,812.92	4,525.41	712.49
1,263.34	439.19	715.38	1,481.48	358.94	17,080.16	19,172.47	2,092.31
393.48	122.40	159.38	410.63	79.97	4,883.33	5,289.86	406.53
217.01	71.67	96.25	235.33	48.29	2,823.64	3,118.17	294.53
222.44	58.03	54.13	201.94	27.16	2,457.51	2,632.74	175.23
255.02	79.66	105.75	266.16	53.06	2,957.76	3,553.20	595.44
130.65	50.80	85.88	162.47	43.09	2,059.03	2,336.65	277.62
1,294.24	452.93	704.00	1,488.08	353.23	16,720.36	20,275.20	3,554.84
243.32	84.85	130.50	278.33	65.48	3,344.95	3,757.50	412.55
481.05	132.54	148.38	461.02	74.45	5,162.63	5,933.31	770.68

## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1939	From Jan. 1, 1940			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Dresden .....	38.00	38.00	106,958.18	400.9	2,602.71	2,790.64	4,893.35
Drumbo .....	35.00	35.00	24,757.64	98.9	642.08	733.64	1,133.85
Dublin .....	50.00	50.00	16,753.26	49.0	318.12	641.35	733.52
Dundas .....	22.50	22.50	391,492.04	2,107.1	13,679.64	6,782.87	18,088.92
Dunnville .....	27.50	27.50	203,432.39	1,146.6	7,443.92	4,014.21	9,362.30
Dutton .....	33.50	33.50	59,609.55	243.3	1,579.54	2,005.40	2,714.67
Elmira .....	30.00	30.00	175,485.46	742.1	4,817.84	3,164.96	8,139.06
Elora .....	31.50	31.50	88,569.41	367.7	2,387.17	2,050.06	4,118.52
Embro .....	40.00	40.00	29,031.20	101.2	657.01	728.68	1,223.92
Erieau .....	48.00	48.00	29,301.35	92.9	603.12	819.77	1,333.70
Erie Beach .....	55.00	55.00	7,573.05	22.4	145.42	321.35	346.20
Essex .....	31.50	31.50	129,833.50	511.6	3,321.39	2,884.76	5,842.18
Etobicoke twp. ....	23.50	23.50	1,249,753.74	6,352.1	41,238.89	23,209.98	57,518.64
Exeter .....	34.50	34.50	141,580.88	566.7	3,679.11	3,112.94	6,554.08
Fergus .....	31.50	31.50	287,216.29	1,224.5	7,949.66	6,299.91	13,346.06
Fonthill .....	29.50	29.50	33,583.48	148.8	966.03	731.38	1,569.47
Forest .....	40.00	40.00	143,897.72	491.7	3,192.20	4,183.38	6,592.85
Forest Hill Village	26.34	25.50	1,534,677.66	6,846.9	44,451.21	29,180.74	61,894.98
Galt .....	24.00	24.00	1,676,747.59	8,673.7	56,311.10	32,979.17	78,123.49
Georgetown .....	31.50	31.50	384,138.97	1,581.4	10,266.71	7,976.87	17,840.14
Glencoe .....	50.00	50.00	71,313.09	208.0	1,350.37	2,074.94	3,265.68
Goderich .....	37.50	37.50	379,436.24	1,384.1	8,985.81	8,872.44	17,601.28
Granton .....	45.00	45.00	19,412.63	66.9	434.33	686.70	894.80
Guelph .....	23.50	23.50	2,019,234.67	10,560.9	68,563.11	41,305.86	94,121.37
Hagersville .....	28.50	28.50	208,637.54	848.2	5,506.66	4,447.00	9,690.16
Hamilton .....	21.25	*22.00	21,357,197.45	120,050.8	779,389.75	355,282.33	990,549.22
Harriston .....	37.50	37.50	103,905.77	385.9	2,505.33	2,978.55	4,814.39
Harrow .....	34.50	34.50	128,317.47	463.2	3,007.17	3,320.12	5,781.61
Hensall .....	45.50	45.50	60,369.22	186.7	1,212.09	1,452.17	2,785.10
Hespeler .....	24.50	24.50	490,662.73	2,553.7	16,579.04	9,888.08	22,832.74
Highgate .....	42.50	42.50	23,387.90	80.1	520.02	774.38	1,068.86
Humberstone .....	24.50	24.50	99,850.02	516.6	3,353.85	2,093.45	4,616.63
Ingersoll .....	25.50	25.50	528,205.93	2,599.1	16,873.79	10,517.77	24,550.09
Jarvis .....	35.50	35.50	53,194.54	173.1	1,123.79	1,121.44	2,471.92
Kingsville .....	33.50	33.50	172,708.59	638.4	4,144.60	3,795.88	7,763.93

\*July 1, 1940.

## SYSTEM

## N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1940

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
980.52	343.80	501.13	1,110.94	251.44	12,971.65	15,232.93	2,261.28
222.40	78.95	123.63	257.51	62.03	3,130.03	3,460.06	330.03
165.61	56.20	61.25	167.17	30.73	2,112.49	2,448.03	335.54
2,781.96	1,194.39	2,633.88	4,091.55	1,321.56	47,931.65	47,409.43	(522.22)
1,485.82	652.79	1,433.25	2,138.52	719.14	25,811.67	31,532.19	5,720.52
520.71	192.02	304.13	616.12	152.60	7,779.99	8,149.16	369.17
1,546.95	575.75	927.63	1,848.65	465.44	20,555.40	22,264.25	1,708.85
793.25	288.50	459.63	933.17	230.62	10,799.68	11,582.04	782.36
249.43	85.57	126.50	279.09	63.47	3,286.73	4,047.00	760.27
294.96	89.98	116.13	304.99	58.27	3,504.38	4,461.20	956.82
78.74	22.96	28.00	78.89	14.05	1,007.51	1,233.38	225.87
1,102.59	419.67	639.50	1,325.46	320.87	15,214.68	16,115.34	900.66
9,369.79	3,950.56	7,940.13	13,014.86	3,983.99	152,258.86	149,274.71	(2,984.15)
1,292.17	452.46	708.38	1,490.76	355.43	16,934.47	19,549.74	2,615.27
2,525.63	927.37	1,530.63	3,026.18	768.00	34,837.44	38,571.78	3,734.34
302.40	111.57	186.00	357.59	93.33	4,131.11	4,388.12	257.01
1,394.44	478.55	614.63	1,498.89	308.39	17,646.55	19,667.66	2,021.11
9,510.28	3,976.88	8,558.63	14,059.04	4,294.32	167,337.44	175,738.79	8,401.35
12,492.96	5,256.90	10,842.13	17,665.51	5,440.08	208,231.18	208,167.60	(63.58)
3,459.90	1,229.81	1,976.75	4,047.30	991.84	45,805.64	49,812.90	4,007.26
746.02	221.97	260.00	742.97	130.46	8,531.49	10,399.58	1,868.09
3,648.19	1,157.78	1,730.13	3,999.08	868.10	45,126.61	51,903.27	6,776.66
193.03	60.60	83.63	204.41	41.96	2,515.54	3,012.39	496.85
14,914.04	6,424.58	13,201.13	21,277.96	6,623.71	253,184.34	248,182.01	(5,002.33)
1,897.17	691.33	1,060.25	2,192.69	531.98	24,953.28	24,173.37	(779.91)
145,059.15	64,874.79	150,063.50	223,629.96	75,294.90	2,633,553.80	2,580,807.31	(52,746.49)
989.26	339.98	482.38	1,095.40	242.03	12,963.26	14,470.81	1,507.55
1,158.90	421.17	579.00	1,312.81	290.52	15,290.26	15,979.28	689.02
631.72	183.41	233.38	635.75	117.10	7,016.52	8,495.62	1,479.10
3,633.11	1,540.23	3,192.13	5,169.43	1,601.66	61,233.10	62,564.44	1,331.34
226.46	73.45	100.13	243.42	50.24	2,956.48	3,402.48	446.00
776.48	326.81	645.75	1,047.27	324.01	12,536.23	12,657.38	121.15
4,107.34	1,677.35	3,248.88	5,554.00	1,630.13	64,899.09	66,276.05	1,376.96
546.41	174.33	216.38	559.27	108.57	6,104.97	6,143.29	38.32
1,533.31	564.97	798.00	1,764.50	400.40	19,964.79	21,387.50	1,422.71



## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each  
it by the Commission; the amount received by the Commission  
or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse- power supplied in year after correc- tion for power factor	Share of operating		
	To Dec. 31, 1939	From Jan. 1, 1940			Cost of power pur- chased	Operating main- tenance and adminis- trative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Kitchener.....	23.50	23.50	4,321,631.05	22,658.4	147,102.10	78,037.14	201,285.53
Lambeth.....	37.50	37.50	30,805.66	119.3	774.52	774.36	1,424.04
La Salle.....	32.50	32.50	50,912.06	196.6	1,276.36	1,672.95	2,293.38
Leamington.....	32.50	32.50	439,351.38	1,638.4	10,636.77	9,498.89	19,795.15
Listowel.....	31.50	31.50	276,610.85	1,201.3	7,799.04	7,672.27	12,841.07
London.....	23.00	23.00	7,163,026.18	37,280.9	242,033.80	128,282.17	333,237.52
London twp.....	29.50	29.50	111,010.99	500.3	3,248.03	2,382.52	5,148.50
Long Branch.....	25.50	25.50	190,656.11	970.2	6,298.70	3,741.24	8,869.66
Lucan.....	33.50	33.50	43,302.25	186.7	1,212.09	1,157.96	2,005.71
Lynden.....	33.50	33.50	25,287.01	100.8	654.41	584.48	1,136.28
Markham.....	32.50	32.50	89,705.62	340.1	2,207.99	2,318.91	3,710.31
Merlin.....	41.50	41.50	26,282.13	92.0	597.28	762.42	1,202.81
Merritton.....	20.00	20.00	973,117.32	6,121.8	39,743.74	16,619.95	45,788.00
Milton.....	30.50	30.50	239,390.62	1,128.2	7,324.46	6,153.96	11,112.33
Milverton.....	31.50	31.50	79,244.11	335.7	2,179.42	1,979.66	3,674.45
Mimico.....	22.50	22.50	439,283.99	2,407.2	15,627.94	8,438.23	20,476.68
Mitchell.....	29.50	29.50	136,911.01	622.4	4,040.72	3,363.03	6,368.93
Moorefield.....	58.00	58.00	15,005.83	37.2	241.51	448.36	695.25
Mount Brydges.....	37.50	37.50	25,184.22	103.5	671.94	995.47	1,162.85
Newbury.....	49.50	49.50	10,028.25	33.8	219.44	411.01	457.37
New Hamburg.....	30.50	30.50	124,911.97	544.9	3,537.58	2,410.27	5,796.87
New Toronto.....	25.50	25.50	1,731,485.38	8,564.2	55,600.21	33,505.31	80,569.98
Niagara Falls.....	17.00	17.00	1,230,988.93	9,861.9	64,025.09	22,025.30	57,255.12
Niagara-on-the- Lake.....	22.50	22.50	102,955.96	638.2	4,143.30	2,185.51	4,366.66
Norwich.....	30.50	30.50	94,232.21	406.8	2,641.01	2,046.19	4,366.40
Oil Springs.....	38.50	38.50	58,005.24	211.3	1,371.79	1,731.00	2,652.74
Otterville.....	40.50	40.50	33,575.15	124.7	809.57	766.95	1,546.82
Palmerston.....	34.00	34.00	134,058.65	541.3	3,514.21	3,946.30	6,221.90
Paris.....	24.50	24.50	322,809.98	1,626.4	10,558.86	6,457.78	14,808.43
Parkhill.....	55.50	55.50	65,138.57	170.9	1,109.51	2,223.22	3,005.61
Petrolia.....	35.50	35.50	273,275.90	1,060.8	6,886.89	7,628.61	12,472.77
Plattsville.....	44.00	44.00	28,639.56	95.4	619.35	839.14	1,315.07
Point Edward.....	33.50	33.50	299,952.24	1,310.2	8,506.04	10,710.00	13,712.56
Port Colborne.....	24.50	24.50	369,209.32	1,910.2	12,401.34	7,467.82	17,070.11
Port Credit.....	29.50	29.50	158,988.79	753.1	4,889.25	4,083.88	7,382.30

## SYSTEM

## N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1940

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
31,685.91	13,685.58	28,323.00	45,530.83	14,211.17	531,438.92	532,471.91	1,032.99
287.04	97.18	149.13	324.37	74.82	3,755.82	4,473.77	717.95
438.96	166.37	245.75	520.06	123.31	6,490.52	6,390.94	(99.58)
3,884.47	1,384.80	2,048.00	4,492.86	1,027.59	50,713.35	53,249.12	2,535.77
2,376.86	906.72	1,501.63	2,916.68	753.45	35,260.82	37,840.17	2,579.35
52,655.84	22,688.19	46,601.13	75,360.91	23,382.28	877,477.28	857,461.61	(20,015.67)
931.07	360.36	625.38	1,168.88	313.78	13,550.96	14,758.12	1,207.16
1,461.18	609.44	1,212.75	2,008.96	608.50	23,593.43	24,741.18	1,147.75
375.59	141.92	233.38	455.94	117.10	5,465.49	6,252.78	787.29
221.95	79.06	126.00	258.11	63.22	2,997.07	3,377.05	379.98
677.94	258.83	425.13	842.63	213.31	10,228.43	11,051.90	823.47
251.07	85.83	115.00	273.23	57.70	3,229.94	3,816.27	586.33
6,238.51	2,820.04	7,652.26	10,357.81	3,839.55	125,380.76	122,436.41	(2,944.35)
1,964.43	724.53	1,410.25	2,522.35	707.60	30,504.71	34,409.61	3,904.90
690.99	265.02	419.63	833.85	210.55	9,832.47	10,573.08	740.61
3,118.99	1,352.23	3,009.00	4,629.01	1,509.78	55,142.30	54,162.41	(979.89)
1,133.46	437.64	778.00	1,442.35	390.36	17,173.77	18,361.44	1,187.67
170.20	44.78	46.50	158.13	23.33	1,781.40	2,155.68	374.28
225.89	81.38	129.38	265.18	64.91	3,467.18	3,881.87	414.69
97.83	32.17	42.25	104.31	21.20	1,343.18	1,672.29	329.11
1,076.74	404.16	681.13	1,315.90	341.76	14,880.89	16,620.35	1,739.46
13,625.96	5,660.10	10,705.25	18,244.45	5,371.40	212,539.86	218,388.16	5,848.30
5,073.71	2,985.32	12,327.39	12,952.61	6,185.30	170,459.24	167,651.98	(2,807.26)
548.63	230.83	797.75	992.86	400.27	12,865.27	14,359.13	1,493.86
815.61	312.60	508.50	990.55	255.14	11,425.72	12,406.89	981.17
540.77	196.14	264.13	603.07	132.53	7,227.11	8,134.44	907.33
320.34	107.55	155.88	353.02	78.21	3,981.92	5,052.04	1,070.12
1,212.29	440.83	676.63	1,413.42	339.50	17,086.08	18,403.07	1,316.99
2,399.45	1,003.81	2,033.00	3,351.71	1,020.07	39,592.97	39,846.95	253.98
726.66	200.63	213.63	686.13	107.19	8,058.20	9,483.11	1,424.91
2,444.86	910.32	1,326.00	2,838.11	665.32	33,842.24	38,313.83	4,471.59
285.90	88.05	119.25	298.50	59.83	3,505.43	4,196.14	690.71
2,456.38	979.67	1,637.75	3,109.96	821.75	40,290.61	43,890.87	3,600.26
2,871.20	1,208.43	2,387.75	3,872.44	1,198.06	46,081.03	45,800.39	719.36
1,299.15	522.84	941.38	1,675.20	472.34	20,321.66	22,217.69	1,896.03

## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1939	From Jan. 1, 1940			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Port Dalhousie...	25.50	25.50	147,634.40	777.7	5,048.96	3,068.25	6,915.03
Port Dover.....	32.50	32.50	110,069.19	423.4	2,748.78	2,253.87	5,004.32
Port Rowan.....	45.00	40.00	28,494.39	95.8	621.95	701.35	1,284.96
Port Stanley.....	34.50	34.50	132,259.41	496.3	3,222.06	2,787.09	6,042.94
Preston.....	24.00	24.00	596,390.03	3,156.0	20,489.28	11,918.68	27,772.52
Princeton.....	40.50	40.50	40,080.28	117.6	763.48	962.14	1,845.53
Queenston.....	24.50	24.50	21,947.77	138.4	898.52	544.63	1,006.25
Richmond Hill...	30.50	30.50	105,760.25	428.9	2,784.49	2,758.99	4,332.61
Ridgetown.....	33.50	33.50	139,383.30	566.0	3,674.57	3,784.78	6,367.00
Riverside.....	29.50	29.50	245,135.99	949.0	6,161.07	5,223.86	11,065.98
Rockwood.....	35.50	35.50	29,532.82	111.4	723.23	675.35	1,371.66
Rodney.....	44.00	44.00	52,055.39	166.4	1,080.30	1,618.13	2,363.05
St. Catharines...	20.00	20.00	2,531,844.06	15,925.4	103,390.34	43,579.49	119,122.36
St. Clair Beach...	35.50	35.50	24,191.28	85.0	551.83	1,133.80	1,095.33
St. George.....	35.50	35.50	39,766.41	138.0	895.92	1,076.27	1,825.08
St. Jacobs.....	29.50	29.50	58,709.93	267.5	1,736.65	1,268.99	2,719.15
St. Marys.....	30.50	30.50	317,679.07	1,436.2	9,324.05	10,162.97	14,756.48
St. Thomas.....	23.50	23.50	1,536,987.38	7,743.0	50,268.84	29,904.39	69,945.95
Sarnia.....	28.50	28.50	2,040,592.24	8,806.0	57,170.02	43,496.60	93,463.68
Scarboro twp....	27.50	27.50	810,059.30	3,735.8	24,253.43	14,509.89	36,991.70
Seaforth.....	30.50	30.50	126,997.41	549.0	3,564.20	3,130.89	5,906.55
Simcoe.....	25.50	25.50	538,607.19	2,508.6	16,286.25	10,141.41	24,444.90
Springfield.....	43.50	43.50	18,631.70	57.7	374.60	475.32	852.28
Stamford twp....	17.50	17.50	288,278.56	2,287.6	14,851.48	5,315.98	13,491.93
Stouffville.....	40.50	40.50	77,376.83	261.6	1,698.35	2,071.30	3,226.64
Stratford.....	25.50	25.50	1,466,404.97	7,284.6	47,292.83	31,699.20	68,233.01
Strathroy.....	29.50	29.50	286,289.62	1,293.0	8,394.37	7,095.99	13,264.14
Streetsville.....	34.00	34.00	32,441.03	152.7	991.35	947.79	1,498.03
Sutton.....	43.00	43.00	81,164.82	239.6	1,555.52	2,094.42	3,437.16
Swansea.....	29.00	29.00	522,374.55	2,854.2	18,529.94	18,933.72	24,211.63
Tavistock.....	31.50	31.50	139,254.51	593.9	3,855.70	3,409.16	6,403.96
Tecumseh.....	32.50	32.50	96,014.61	348.1	2,259.92	2,474.81	4,340.27
Thamesford.....	34.00	34.00	53,756.52	202.3	1,313.37	1,233.47	2,492.93
Thamesville.....	35.50	35.50	53,935.51	218.7	1,419.84	1,547.60	2,458.50
Thedford.....	55.00	55.00	32,691.01	86.8	563.52	1,082.07	1,502.06



## SYSTEM

## N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1940

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,152.71	452.75	972.13	1,568.68	487.77	18,690.74	19,831.14	1,140.40
999.41	354.01	529.25	1,137.27	265.55	12,761.36	13,759.14	997.78
279.57	88.07	119.75	294.84	60.08	3,330.41	3,911.16	580.75
1,223.40	423.55	620.38	1,369.98	311.28	15,378.12	17,121.79	1,743.67
4,340.04	1,878.49	3,945.00	6,283.39	1,979.42	74,647.98	75,744.40	1,096.42
424.08	120.49	147.00	418.26	73.76	4,607.22	4,763.14	155.92
139.05	60.09	173.00	229.41	86.80	2,964.15	3,390.60	426.45
744.43	300.29	536.13	985.06	269.00	12,173.00	13,081.96	908.96
1,212.04	454.32	707.50	1,447.50	354.99	17,292.72	18,960.71	1,667.99
2,110.21	812.90	1,186.25	2,504.26	595.21	28,469.32	27,994.26	(475.06)
280.82	97.47	139.25	311.15	69.87	3,529.06	3,956.18	427.12
521.76	159.49	208.00	537.65	104.36	6,384.02	7,320.86	936.84
16,231.03	7,330.56	19,906.75	26,941.52	9,988.29	326,513.76	318,508.41	(8,005.35)
222.00	78.63	106.25	247.46	53.31	3,381.99	3,016.67	(365.32)
389.05	121.37	172.50	414.58	86.55	4,808.22	4,898.72	90.50
489.42	192.66	334.38	618.50	167.77	7,191.98	7,891.01	699.03
2,590.47	1,061.56	1,795.26	3,346.72	900.77	42,136.74	43,802.73	1,665.99
11,181.41	4,795.03	9,678.75	15,824.05	4,856.35	186,742.07	181,961.07	(4,781.00)
16,878.39	6,633.15	11,007.50	21,161.23	5,523.05	244,287.52	250,969.76	6,682.24
6,232.00	2,493.31	4,669.75	8,402.65	2,343.06	95,209.67	102,733.35	7,523.68
1,094.28	401.97	686.25	1,338.59	344.33	15,778.40	16,744.03	965.63
4,208.10	1,667.47	3,135.75	5,535.44	1,573.37	63,845.95	63,968.51	122.56
191.05	56.08	72.13	193.54	36.19	2,178.81	2,510.33	331.52
1,217.93	700.88	2,859.50	3,033.32	1,434.76	40,036.26	40,032.56	(3.70)
647.11	220.65	327.00	736.35	164.07	8,763.33	10,596.50	1,833.17
11,225.96	4,746.67	9,105.75	15,449.18	4,568.84	183,183.76	185,757.07	2,573.31
2,397.09	881.41	1,616.25	3,014.45	810.96	35,852.74	38,144.69	2,291.95
266.48	106.24	190.88	341.82	95.77	4,246.82	5,190.96	944.14
745.72	229.00	299.50	781.84	150.28	8,992.88	10,303.89	1,311.01
3,456.82	1,545.92	3,567.75	5,503.96	1,790.13	73,959.61	82,772.30	8,812.69
1,192.80	458.68	742.38	1,454.40	372.49	17,144.59	18,708.14	1,563.55
863.58	314.71	435.13	981.43	218.33	11,451.52	11,313.80	(137.72)
509.50	177.39	252.87	566.02	126.88	6,418.67	6,878.20	459.53
468.71	178.91	273.38	559.58	137.17	6,769.35	7,765.03	995.68
355.49	102.70	108.50	341.35	54.44	4,001.25	4,774.14	772.89

## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1939	From Jan. 1, 1940			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Thorndale.....	50.00	50.00	18,661.53	60.8	394.72	601.15	850.78
Thorold.....	21.00	21.00	407,162.73	2,440.0	15,840.89	7,235.26	19,152.77
Tilbury.....	33.50	33.50	156,628.38	629.0	4,083.57	4,297.06	7,161.64
Tillsonburg.....	28.50	28.50	293,170.10	1,349.3	8,759.88	6,040.56	13,570.42
Toronto.....	22.60	22.60	60,834,651.01	333,381.0	2,164,364.86	1,039,408.68	2,831,943.04
Toronto twp. ...	27.50	27.50	528,225.30	2,504.9	16,262.23	13,153.04	24,577.79
Trafalgar twp., Area No. 1..	26.50	26.50	91,570.77	420.4	2,729.31	2,022.01	4,264.42
Trafalgar twp., Area No. 2...	27.50	27.50	28,529.93	121.1	786.21	712.15	1,329.93
Wallaceburg....	31.50	31.50	599,217.38	2,464.1	15,997.35	12,515.97	27,433.61
Wardsville.....	57.50	57.50	12,041.83	37.4	242.81	487.50	545.97
Waterdown.....	27.50	27.50	46,239.65	221.8	1,439.96	1,081.51	2,125.17
Waterford.....	27.50	27.50	102,269.36	458.2	2,974.71	2,006.37	4,655.42
Waterloo.....	24.00	24.00	808,470.39	4,185.3	27,171.66	15,067.93	37,655.42
Watford.....	45.50	45.50	93,142.50	320.6	2,081.39	2,526.02	4,294.91
Welland.....	19.50	19.50	1,075,677.32	7,598.9	49,333.32	19,319.94	49,969.99
Wellesley.....	44.00	44.00	31,893.83	116.6	756.99	747.74	1,467.75
West Lorne.....	36.50	36.50	39,489.44	148.9	966.68	1,383.49	1,792.78
Weston.....	23.00	23.00	756,359.05	3,961.5	25,718.72	14,569.55	35,291.66
Wheatley.....	45.00	45.00	59,802.40	175.5	1,139.38	1,355.97	2,701.89
Windsor.....	26.00	26.00	8,845,301.20	39,740.5	258,001.93	144,196.10	396,852.89
Woodbridge.....	30.50	30.50	127,366.83	561.1	3,642.75	2,506.05	5,892.43
Woodstock.....	24.50	24.50	1,360,707.04	6,979.1	45,309.48	26,772.73	63,211.75
Wyoming.....	47.50	47.50	22,553.36	66.6	432.38	811.29	1,033.88
York twp. East.	27.50	27.50	1,325,139.22	6,995.6	45,416.60	47,947.62	60,769.70
York twp. North	27.50	27.50	1,261,177.39	5,200.8	33,764.46	27,573.04	50,297.39
Zurich.....	55.00	55.00	37,117.67	101.3	657.66	875.46	1,688.10
Ontario Reformatory.....			56,200.12	277.6	1,802.23	1,209.31	2,609.30
Toronto Transportation Comm..			76,196.88	407.2	2,643.61	1,366.53	3,504.95
Totals—Municipalities.....			151,590,930.72	796,976.2	5,174,102.01	2,802,849.44	7,002,428.43
Totals—Rural power districts...			11,778,565.28	50,005.5	324,644.01	263,546.96	536,016.97
Totals—Companies.....			41,523,158.64	255,593.2	1,743,571.57	980,563.53	1,927,206.16
Totals—Local distribution sys. ...			1,019,322.60	4,168.0	27,059.36	59,045.37	47,359.24
Non-operating capital.....			205,911,977.24				
			3,078,078.48				
Grand Totals.....			208,990,055.72	1,106,742.9	7,269,376.95	4,106,005.30	9,513,010.80

## SYSTEM

## N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1940

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
				Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
190.35	57.52	76.00	196.25	38.13	2,328.64	3,040.24	711.60
2,776.04	1,223.43	3,050.00	4,331.62	1,530.35	52,079.66	51,239.68	(839.98)
1,370.61	508.76	786.25	1,625.24	394.50	19,438.63	21,070.44	1,631.81
2,409.78	918.35	1,686.63	3,078.10	846.27	35,617.45	38,456.24	2,838.79
401,059.76	179,665.84	416,726.25	640,980.85	209,093.89	7,465,055.39	7,534,411.16	69,355.77
4,312.26	1,742.72	3,131.13	5,565.69	1,571.06	67,173.80	68,883.60	1,709.80
767.51	313.82	525.50	964.82	263.67	11,323.72	11,141.26	(182.46)
253.38	100.78	151.38	300.59	75.95	3,558.47	3,330.02	(228.45)
5,153.81	1,919.46	3,080.13	6,215.52	1,545.46	70,770.39	77,620.44	6,850.05
122.43	37.96	46.75	125.37	23.46	1,585.33	2,151.00	565.67
365.92	145.62	277.25	481.99	139.11	5,778.31	6,100.76	322.45
831.81	331.61	572.75	1,055.42	287.38	12,140.71	12,601.47	460.76
6,005.94	2,555.68	5,231.63	8,517.64	2,624.99	99,580.91	100,447.40	866.49
915.13	303.58	400.75	981.46	201.08	11,302.16	14,588.83	3,286.67
5,796.02	2,975.91	9,498.63	11,317.05	4,765.97	143,444.89	148,178.00	4,733.11
307.87	102.73	145.75	335.97	73.13	3,791.67	5,131.13	1,339.46
360.52	124.99	186.13	406.44	93.39	5,127.64	5,434.63	306.99
5,267.81	2,230.00	4,951.88	7,969.12	2,484.62	93,514.12	91,114.89	(2,399.23)
607.20	180.66	219.38	615.42	110.07	6,709.83	7,897.15	1,187.32
67,063.84	27,805.64	49,675.63	89,913.69	24,924.92	1,008,584.80	1,033,254.16	24,669.36
1,097.28	412.89	701.38	1,338.91	351.92	15,239.77	17,113.77	1,874.00
10,164.56	4,350.73	8,723.88	14,306.72	4,377.24	168,462.61	170,987.53	2,524.92
234.44	70.36	83.25	235.01	41.77	2,858.84	3,162.29	303.45
8,842.23	3,895.18	8,744.50	13,749.59	4,387.58	184,977.84	192,379.23	7,401.39
8,283.39	3,406.04	6,501.01	11,396.40	3,261.90	137,959.83	143,020.84	5,061.01
402.45	111.57	126.63	386.86	63.53	4,185.20	5,571.97	1,386.77
438.88	179.14	347.00	592.19	174.11	7,003.94	7,494.77	490.83
555.92	234.24	509.00	802.92	255.39	9,361.78	11,924.04	2,562.26
1,067,844.83	460,000.35	993,045.70	1,584,815.14	(498,264.03)	18,586,821.87	18,804,593.69	331,040.42 (113,268.60)
99,282.44	37,514.32	62,507.42	121,282.83	(31,363.06)	1,413,431.89	1,413,431.89	
258,328.18	148,910.12	1,432,168.38	432,384.98	514,427.14	7,437,560.06	7,437,560.06	
10,765.10	4,993.87		10,715.84	15,199.95	175,138.73	175,138.73	
1,436,220.55	651,418.66	2,487,721.50	2,149,198.79	.....	27,612,952.55	27,830,724.37	331,040.42 (113,268.60)



## NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1940, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1939	
		Credit	Charge
		\$ c.	\$ c.
Acton.....	Jan. 1913	433.24	.....
Agincourt.....	Nov. 1922	850.05	.....
Ailsa Craig.....	Jan. 1916	579.91	.....
Alvinston.....	April 1922	1,539.20	.....
Amherstburg.....	Nov. 1925	1,800.95	.....
Ancaster township.....	May 1923	563.91	.....
Arkona.....	Dec. 1926	340.35	.....
Aylmer.....	Mar. 1918	1,339.98	.....
Ayr.....	Jan. 1915	185.30	.....
Baden.....	May 1912	285.32	.....
Beachville.....	Aug. 1912	227.04	.....
Beamsville.....	May 1937	834.41	.....
Belle River.....	Dec. 1922	401.28	.....
Blenheim.....	Nov. 1915	2,078.37	.....
Blyth.....	July 1924	602.01	.....
Bolton.....	Feb. 1915	1,065.97	.....
Bothwell.....	Sept. 1915	684.80	.....
Brampton.....	Nov. 1911	4,627.72	.....
Brantford.....	Feb. 1914	.....	3,866.50
Brantford township.....	May 1924	268.80	.....
Bridgeport.....	Mar. 1928	303.55	.....
Brigden.....	Jan. 1918	749.16	.....
Brussels.....	July 1924	519.12	.....
Burford.....	June 1915	364.01	.....
Burgessville.....	Nov. 1916	297.46	.....
Caledonia.....	Oct. 1912	162.78	.....
Campbellville.....	Jan. 1925	373.28	.....
Cayuga.....	Nov. 1924	596.28	.....
Chatham.....	Feb. 1915	5,494.65	.....
Chippawa.....	Sept. 1919	625.95	.....
Clifford.....	May 1924	627.14	.....
Clinton.....	Mar. 1914	991.56	.....
Comber.....	May 1915	58.80	.....
Cottam.....	Nov. 1926	336.24	.....
Courtright.....	Dec. 1923	487.36	.....
Dashwood.....	Sept. 1917	631.57	.....
Delaware.....	Mar. 1915	326.79	.....
Delhi.....	May 1938	2,966.20	.....
Dorchester.....	Dec. 1914	501.55	.....
Drayton.....	Mar. 1918	597.70	.....
Dresden.....	April 1915	1,014.10	.....
Drumbo.....	Dec. 1914	308.95	.....
Dublin.....	Oct. 1917	374.81	.....
Dundas.....	Jan. 1911	.....	466.28
Dunnville.....	June 1918	5,171.13	.....

## SYSTEM

## N—CREDIT OR CHARGE

power supplied to it to October 31, 1939, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1940

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1940		Accumulated amount standing as a credit or charge on October 31, 1940	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	433.24	.....	913.22	.....	913.22
.....	850.05	.....	1,115.20	.....	1,115.20
.....	579.91	.....	505.98	.....	505.98
.....	1,539.20	.....	1,543.52	.....	1,543.52
.....	1,800.95	.....	807.10	.....	807.10
.....	.....	.....	.....	.....	.....
.....	563.91	.....	708.56	.....	708.56
.....	340.35	.....	747.35	.....	747.35
.....	1,339.98	.....	1,792.59	.....	1,792.59
.....	185.30	.....	.....	.....	.....
.....	285.32	.....	41.15	.....	41.15
.....	.....	.....	.....	.....	.....
.....	.....	.....	396.20	.....	396.20
.....	.....	.....	.....	.....	.....
.....	227.04	.....	135.12	.....	135.12
.....	834.41	.....	522.46	.....	522.46
.....	401.28	.....	513.29	.....	513.29
.....	2,078.37	.....	2,337.46	.....	2,337.46
.....	602.01	.....	999.54	.....	999.54
.....	.....	.....	.....	.....	.....
.....	1,065.97	.....	825.40	.....	825.40
.....	684.80	.....	1,165.03	.....	1,165.03
.....	4,627.72	.....	6,130.76	.....	6,130.76
3,866.50	.....	.....	6,686.19	.....	6,686.19
.....	268.80	.....	80.36	.....	80.36
.....	.....	.....	.....	.....	.....
.....	303.55	.....	214.09	.....	214.09
.....	749.16	.....	966.93	.....	966.93
.....	519.12	.....	962.22	.....	962.22
.....	364.01	.....	512.25	.....	512.25
.....	297.46	.....	481.36	.....	481.36
.....	.....	.....	.....	.....	.....
.....	162.78	.....	97.20	.....	97.20
.....	373.28	.....	86.13	.....	86.13
.....	596.28	.....	868.53	.....	868.53
.....	5,494.65	.....	5,720.17	.....	5,720.17
.....	625.95	.....	510.81	.....	510.81
.....	.....	.....	.....	.....	.....
.....	627.14	.....	712.49	.....	712.49
.....	991.56	.....	2,092.31	.....	2,092.31
.....	58.80	.....	406.53	.....	406.53
.....	336.24	.....	294.53	.....	294.53
.....	487.36	.....	175.23	.....	175.23
.....	.....	.....	.....	.....	.....
.....	631.57	.....	595.44	.....	595.44
.....	326.79	.....	277.62	.....	277.62
.....	2,966.20	.....	3,554.84	.....	3,554.84
.....	501.55	.....	412.55	.....	412.55
.....	597.70	.....	770.68	.....	770.68
.....	.....	.....	.....	.....	.....
.....	1,014.10	.....	2,261.28	.....	2,261.28
.....	308.95	.....	330.03	.....	330.03
.....	374.81	.....	335.54	.....	335.54
466.28	.....	.....	522.22	.....	522.22
.....	5,171.13	.....	5,720.52	.....	5,720.52

## NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1940, and the accumulated amount standing

Municipality	Date commenced operating.	Net credit or charge at October 31, 1939	
		Credit	Charge
		\$ c.	\$ c.
Dutton.....	Sept. 1915	593.26	
Elmira.....	Nov. 1913	1,835.43	
Elora.....	Nov. 1914	345.46	
Embro.....	Jan. 1915	625.72	
Erieau.....	July 1924	815.63	
Erie Beach.....	July 1925	130.46	
Essex.....	Nov. 1923	862.94	
Etobicoke township.....	Aug. 1917	96.02	
Exeter.....	June 1916	1,999.80	
Fergus.....	Nov. 1914	2,786.50	
Fonthill.....	June 1926	678.42	
Forest.....	Mar. 1917	1,986.60	
Forest Hill Village.....	Jan. 1938	14,824.19	
Galt.....	May 1911		3,012.23
Georgetown.....	Sept. 1913	2,933.47	
Glencoe.....	Aug. 1920	1,060.24	
Goderich.....	Feb. 1914	4,535.96	
Granton.....	July 1916	481.23	
Guelph.....	Dec. 1910		5,112.56
Hagersville.....	Sept. 1913	31.29	
Hamilton.....	Feb. 1911		82,793.30
Harriston.....	July 1916	1,661.52	
Harrow.....	Nov. 1923	1,444.70	
Hensall.....	Jan. 1917	1,370.54	
Hespeler.....	Feb. 1911	864.38	
Highgate.....	Dec. 1916	409.27	
Humberstone.....	Oct. 1924	694.18	
Ingersoll.....	May 1911		277.90
Jarvis.....	Feb. 1924		12.91
Kingsville.....	Nov. 1923	2,037.87	
Kitchener.....	Jan. 1911		3,550.45
Lambeth.....	April 1915	547.71	
La Salle.....	Nov. 1925	314.37	
Leamington.....	Nov. 1923	3,816.73	
Listowel.....	June 1916	2,933.06	
London.....	Jan. 1916		11,312.62
London township.....	Jan. 1925	1,275.60	
Long Branch.....	Jan. 1931	674.72	
Lucan.....	Feb. 1915	663.68	
Lynden.....	Nov. 1915	240.90	
Markham.....	April 1920	1,012.40	
Merlin.....	Dec. 1922	345.79	
Merritton.....	Nov. 1920		667.24
Milton.....	April 1913	2,572.13	
Milverton.....	June 1916	803.78	



## SYSTEM

## N—CREDIT OR CHARGE

power supplied to it to October 31, 1939, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1940

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1940		Accumulated amount standing as a credit or charge on October 31, 1940	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	593.26	369.17	.....	369.17	.....
.....	1,835.43	1,708.85	.....	1,708.85	.....
.....	345.46	782.36	.....	782.36	.....
.....	625.72	760.27	.....	760.27	.....
.....	815.63	956.82	.....	956.82	.....
.....	130.46	225.87	.....	225.87	.....
.....	862.94	900.66	.....	900.66	.....
.....	96.02	.....	2,984.15	.....	2,984.15
.....	1,999.80	2,615.27	.....	2,615.27	.....
.....	2,786.50	3,734.34	.....	3,734.34	.....
.....	678.42	257.01	.....	257.01	.....
.....	1,986.60	2,021.11	.....	2,021.11	.....
.....	14,824.19	8,401.35	.....	8,401.35	.....
3,012.23	.....	.....	63.58	.....	63.58
.....	2,933.47	4,007.26	.....	4,007.26	.....
.....	1,060.24	1,868.09	.....	1,868.09	.....
.....	4,539.96	6,776.66	.....	6,776.66	.....
.....	481.23	496.85	.....	496.85	.....
5,112.56	.....	.....	5,002.33	.....	5,002.33
.....	31.29	.....	779.91	.....	779.91
60,000.00	.....	.....	52,746.49	.....	75,539.79
.....	1,661.52	1,507.55	.....	1,507.55	.....
.....	1,444.70	689.02	.....	689.02	.....
.....	1,370.54	1,479.10	.....	1,479.10	.....
.....	864.38	1,331.34	.....	1,331.34	.....
.....	409.27	446.00	.....	446.00	.....
.....	694.18	121.15	.....	121.15	.....
277.90	.....	1,376.96	.....	1,376.96	.....
12.91	.....	38.32	.....	38.32	.....
.....	2,037.87	1,422.71	.....	1,422.71	.....
3,550.45	.....	1,032.99	.....	1,032.99	.....
.....	547.71	717.95	.....	717.95	.....
.....	314.37	.....	99.58	.....	99.58
.....	3,816.73	2,535.77	.....	2,535.77	.....
.....	2,933.06	2,579.35	.....	2,579.35	.....
11,312.62	.....	.....	20,015.67	.....	20,015.67
.....	1,275.60	1,207.16	.....	1,207.16	.....
.....	674.72	1,147.75	.....	1,147.75	.....
.....	663.68	787.29	.....	787.29	.....
.....	240.90	379.98	.....	379.98	.....
.....	1,012.40	823.47	.....	823.47	.....
.....	345.79	586.33	.....	586.33	.....
667.24	.....	.....	2,944.35	.....	2,944.35
.....	2,572.13	3,904.90	.....	3,904.90	.....
.....	803.78	740.61	.....	740.61	.....

## NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1940, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1939	
		Credit	Charge
		\$ c.	\$ c.
Mimico.....	May 1912		1,322.15
Mitchell.....	Sept. 1911	349.58	
Moorefield.....	Mar. 1918	218.36	
Mount Brydges.....	Mar. 1915	524.30	
Newbury.....	Mar. 1921	207.84	
New Hamburg.....	Mar. 1911	1,378.57	
New Toronto.....	Feb. 1914	3,885.05	
Niagara Falls.....	Dec. 1915		736.16
Niagara-on-the-Lake.....	Aug. 1919	1,249.32	
Norwich.....	May 1912	708.70	
Oil Springs.....	Feb. 1918	752.38	
Otterville.....	Feb. 1916	747.59	
Palmerston.....	July 1916	1,543.51	
Paris.....	Feb. 1914	286.87	
Parkhill.....	May 1920	1,744.88	
Petrolia.....	May 1916	4,131.59	
Plattsville.....	Dec. 1914	269.66	
Point Edward.....	Nov. 1916	2,386.77	
Port Colborne.....	Mar. 1920	3,300.08	
Port Credit.....	Aug. 1912	1,587.61	
Port Dalhousie.....	Nov. 1912	1,326.70	
Port Dover.....	Dec. 1921	1,283.39	
Port Rowan.....	Nov. 1926	962.81	
Port Stanley.....	April 1912	850.32	
Preston.....	Jan. 1911		134.21
Princeton.....	Jan. 1915	181.74	
Queenston.....	Mar. 1921	448.81	
Richmond Hill.....	June 1925	1,101.56	
Ridgetown.....	Dec. 1915	1,783.26	
Riverside.....	Nov. 1922	105.04	
Rockwood.....	Sept. 1913	252.26	
Rodney.....	Feb. 1917	767.67	
St. Catharines.....	April 1914		3,958.07
St. Clair Beach.....	Nov. 1922		102.57
St. George.....	Sept. 1915	442.84	
St. Jacobs.....	Sept. 1917	843.63	
St. Marys.....	May 1911	2,039.75	
St. Thomas.....	April 1911		636.05
Sarnia.....	Dec. 1916	3,611.03	
Scarboro township.....	Aug. 1918	8,981.00	
Seaforth.....	Nov. 1911	582.47	
Simcoe.....	Aug. 1915	1,436.68	
Springfield.....	Aug. 1917	167.79	
Stamford township.....	Nov. 1916		3,089.53
Stouffville.....	Sept. 1923	1,566.46	

## SYSTEM

## N—CREDIT OR CHARGE

power supplied to it to October 31, 1939, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1940

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1940		Accumulated amount standing as a credit or charge on October 31, 1940	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,322.15			979.89		979.89
	349.58	1,187.67		1,187.67	
	218.36	374.28		374.28	
	524.30	414.69		414.69	
	207.84	329.11		329.11	
	1,378.57	1,739.46		1,739.46	
	3,885.05	5,848.30		5,848.30	
736.16			2,807.26		2,807.26
	1,249.32	1,493.86		1,493.86	
	708.70	981.17		981.17	
	752.38	907.33		907.33	
	747.59	1,070.12		1,070.12	
	1,543.51	1,316.99		1,316.99	
	286.87	253.98		253.98	
	1,744.88	1,424.91		1,424.91	
	4,131.59	4,471.59		4,471.59	
	269.66	690.71		690.71	
	2,386.77	3,600.26		3,600.26	
	3,300.08	719.36		719.36	
	1,587.61	1,896.03		1,896.03	
	1,326.70	1,140.40		1,140.40	
	1,283.39	997.78		997.78	
	962.81	580.75		580.75	
	850.32	1,743.67		1,743.67	
134.21		1,096.42		1,096.42	
	181.74	155.92		155.92	
	448.81	426.45		426.45	
	1,101.56	908.96		908.96	
	1,783.26	1,667.99		1,667.99	
	105.04		475.06		475.06
	252.26	427.12		427.12	
	767.67	936.84		936.84	
3,958.07			8,005.35		8,005.35
102.57			365.32		365.32
	442.84	90.50		90.50	
	843.63	699.03		699.03	
	2,039.75	1,665.99		1,665.99	
636.05			4,781.00		4,781.00
	3,611.03	6,682.24		6,682.24	
	8,981.00	7,523.68		7,523.68	
	582.47	965.63		965.63	
	1,436.68	122.56		122.56	
	167.79	331.52		331.52	
3,089.53			3.70		3.70
	1,566.46	1,833.17		1,833.17	



## NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1940, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1939	
		Credit	Charge
		\$ c.	\$ c.
Stratford .....	Jan. 1911	2,836.66	
Strathroy .....	Dec. 1914	3,458.12	
Streetsville .....	Dec. 1934	635.53	
Sutton .....	Aug. 1923	1,201.76	
Swansea .....	Oct. 1937	8,422.41	
Tavistock .....	Nov. 1916	1,564.17	
Tecumseh .....	Nov. 1922		172.16
Thamesford .....	Feb. 1914	636.20	
Thamesville .....	Oct. 1915	917.68	
Thedford .....	May 1922	395.13	
Thorndale .....	Mar. 1914	823.60	
Thorold .....	Jan. 1921		627.75
Tilbury .....	April 1915	1,319.68	
Tillsonburg .....	Aug. 1911	2,169.11	
Toronto .....	June 1911	56,605.16	
Toronto township .....	Aug. 1913	1,496.70	
Trafalgar township, Area No. 1 .....	Nov. 1937		20.00
Trafalgar township, Area No. 2 .....	Nov. 1937		85.98
Wallaceburg .....	Feb. 1915	2,227.60	
Wardsville .....	June 1921	441.76	
Waterdown .....	Nov. 1911	295.29	
Waterford .....	April 1915	589.44	
Waterloo .....	Dec. 1910		679.06
Watford .....	Sept. 1917	2,469.02	
Welland .....	Sept. 1917	3,449.11	
Wellesley .....	Nov. 1916	946.00	
West Lorne .....	Jan. 1917	212.36	
Weston .....	Jan. 1911		1,792.08
Wheatley .....	Feb. 1924	1,180.02	
Windsor .....	Oct. 1914	39,126.54	
Woodbridge .....	Dec. 1914	1,750.57	
Woodstock .....	Jan. 1911	1,084.34	
Wyoming .....	Nov. 1916	352.14	
York township East .....	July 1925		191.13
York township North .....	Nov. 1923	5,223.95	
Zurich .....	Sept. 1917	1,148.92	
Ontario Reformatory .....	Sept. 1913	486.37	
Toronto Transportation Commission .....	Jan. 1927	2,488.01	
Totals—Municipalities .....		302,855.92	124,618.89
Totals—Rural power districts .....		1,652,230.03	368,008.73
Grand totals .....		1,955,085.95	492,627.62

## SYSTEM

## N—CREDIT OR CHARGE

power supplied to it to October 31, 1939, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1940

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1940		Accumulated amount standing as a credit or charge on October 31, 1940	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	2,836.66	2,573.31	.....	2,573.31	.....
.....	3,458.12	2,291.95	.....	2,291.95	.....
.....	635.53	944.14	.....	944.14	.....
.....	1,201.76	1,311.01	.....	1,311.01	.....
.....	8,422.41	8,812.69	.....	8,812.69	.....
.....	1,564.17	1,563.55	.....	1,563.55	.....
172.16	.....	.....	137.72	.....	137.72
.....	636.20	459.53	.....	459.53	.....
.....	917.68	995.68	.....	995.68	.....
.....	395.13	772.89	.....	772.89	.....
.....	823.60	711.60	.....	711.60	.....
627.75	.....	.....	839.98	.....	839.98
.....	1,319.68	1,631.81	.....	1,631.81	.....
.....	2,169.11	2,838.79	.....	2,838.79	.....
.....	56,605.16	69,355.77	.....	69,355.77	.....
.....	1,496.70	1,709.80	.....	1,709.80	.....
20.00	.....	.....	182.46	.....	182.46
85.98	.....	.....	228.45	.....	228.45
.....	2,227.60	6,850.05	.....	6,850.05	.....
.....	441.76	565.67	.....	565.67	.....
.....	295.29	322.45	.....	322.45	.....
.....	589.44	460.76	.....	460.76	.....
679.06	.....	866.49	.....	866.49	.....
.....	2,469.02	3,286.67	.....	3,286.67	.....
.....	3,449.11	4,733.11	.....	4,733.11	.....
.....	946.00	1,339.46	.....	1,339.46	.....
.....	212.36	306.99	.....	306.99	.....
.....	.....	2,399.23	.....	.....	4,191.31
.....	1,180.02	1,187.32	.....	1,187.32	.....
.....	39,126.54	24,669.36	.....	24,669.36	.....
.....	1,750.57	1,874.00	.....	1,874.00	.....
.....	1,084.34	2,524.92	.....	2,524.92	.....
.....	352.14	303.45	.....	303.45	.....
191.13	.....	7,401.39	.....	7,401.39	.....
.....	5,223.95	5,061.01	.....	5,061.01	.....
.....	1,148.92	1,386.77	.....	1,386.77	.....
.....	486.37	490.83	.....	490.83	.....
.....	2,488.01	2,562.26	.....	2,562.26	.....
100,033.51	302,855.92	331,040.42	113,268.60	331,040.42	137,853.98
72,527.49	19,415.13	206,149.80	87,772.24	1,901,831.84	446,120.62
172,561.00	322,271.05	537,190.22	201,040.84	2,232,872.26	583,974.60

## NIAGARA SYSTEM

## N—SINKING FUND

## Sinking Fund

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1940

Municipality	Period of years ended Oct. 31, 1940	Amount	Municipality	Period of years ended Oct. 31, 1940	Amount
		\$ c.			\$ c.
Acton.....	23 years	70,973.63	Dutton.....	20 years	20,428.69
Agincourt.....	16 "	11,594.47	Elmira.....	22 "	79,533.65
Ailsa Craig.....	20 "	15,874.72	Elora.....	21 "	38,261.88
Alvinston.....	17 "	15,940.84	Embro.....	21 "	11,612.12
Amherstburg.....	23 "	55,795.01	Erieau.....	17 "	6,666.83
Ancaster twp.....	17 "	17,811.72	Erie Beach.....	16 "	1,686.78
Arkona.....	14 "	6,404.38	Essex.....	17 "	32,301.24
Aylmer.....	17 "	44,510.71	Etobicoke twp.....	18 "	225,644.35
Ayr.....	21 "	15,446.25	Exeter.....	19 "	43,357.74
Baden.....	23 "	33,067.38	Fergus.....	21 "	64,674.58
Beachville.....	23 "	42,335.55	Fonthill.....	15 "	6,552.41
Beamsville.....	4 "	4,206.62	Forest.....	18 "	34,359.76
Belle River.....	18 "	10,772.64	Forest Hill Village...	17 "	173,420.65
Blenheim.....	20 "	39,154.86	Galt.....	24 "	562,417.37
Blyth.....	17 "	10,127.62	Georgetown.....	22 "	106,972.38
Bolton.....	20 "	18,122.16	Glencoe.....	17 "	21,086.56
Bothwell.....	20 "	17,984.60	Goderich.....	21 "	127,320.47
Brampton.....	24 "	177,834.28	Granton.....	19 "	8,344.80
Brantford.....	21 "	935,988.05	Guelph.....	24 "	686,018.14
Brantford twp.....	16 "	35,387.32	Hagersville.....	22 "	78,997.55
Bridgeport.....	13 "	6,523.59	Hamilton.....	24 "	4,927,615.12
Brigden.....	18 "	12,275.79	Harriston.....	19 "	34,949.35
Brussels.....	17 "	13,558.61	Harrow.....	17 "	25,836.86
Burford.....	20 "	14,191.58	Hensall.....	19 "	17,037.50
Burgessville.....	19 "	5,523.44	Hespeler.....	24 "	118,619.86
Caledonia.....	23 "	23,572.73	Highgate.....	19 "	10,017.88
Campbellville.....	16 "	2,684.24	Humberstone.....	17 "	21,886.02
Cayuga.....	16 "	10,064.20	Ingersoll.....	24 "	189,955.48
Chatham.....	20 "	411,496.26	Jarvis.....	17 "	15,550.38
Chippawa.....	18 "	17,806.71	Kingsville.....	17 "	42,227.98
Clifford.....	17 "	7,346.28	Kitchener.....	24 "	1,341,970.74
Clinton.....	21 "	48,364.95	Lambeth.....	20 "	10,045.55
Comber.....	20 "	19,244.17	La Salle.....	15 "	14,538.61
Cottam.....	14 "	4,540.56	Leamington.....	17 "	89,740.38
Courtright.....	17 "	5,903.96	Listowel.....	19 "	79,814.76
Dashwood.....	18 "	8,748.60	London.....	24 "	2,525,132.36
Delaware.....	20 "	3,392.83	London twp.....	16 "	21,115.02
Delhi.....	3 "	4,015.97	Long Branch.....	10 "	26,786.08
Dorchester.....	21 "	7,868.19	Lucan.....	20 "	18,970.90
Drayton.....	17 "	13,017.32	Lynden.....	20 "	13,510.90
Dresden.....	20 "	33,085.01	Markham.....	17 "	19,706.42
Drumbo.....	21 "	6,844.45	Merlin.....	17 "	12,002.59
Dublin.....	18 "	5,893.78	Merriton.....	19 "	157,654.06
Dundas.....	24 "	144,669.31	Milton.....	22 "	103,199.27
Dunnville.....	17 "	64,261.68	Milverton.....	19 "	43,857.36



## NIAGARA SYSTEM

## N—SINKING FUND

## Sinking Fund

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1940

Municipality	Period of years ended Oct. 31, 1940	Amount	Municipality	Period of years ended Oct. 31, 1940	Amount
		\$ c.			\$ c.
Mimico.....	23 years	145,326.44	Stratford.....	24 years	607,011.67
Mitchell.....	24 "	45,458.13	Strathroy.....	21 "	89,618.15
Moorefield.....	17 "	6,336.97	Streetsville.....	6 "	2,449.47
Mount Brydges.....	20 "	7,858.41	Sutton.....	17 "	16,616.33
Newbury.....	17 "	4,624.01	Swansea.....	15 "	79,690.89
New Hamburg.....	24 "	50,345.75	Tavistock.....	19 "	45,803.78
New Toronto.....	21 "	456,630.38	Tecumseh.....	18 "	26,220.69
Niagara Falls.....	20 "	582,348.01	Thamesford.....	21 "	17,277.84
Niagara-on-the-Lake.....	17 "	31,866.13	Thamesville.....	20 "	17,718.20
Norwich.....	23 "	37,370.83	Thedford.....	17 "	9,606.57
Oil Springs.....	17 "	25,333.44	Thorndale.....	21 "	8,609.26
Otterville.....	19 "	9,033.30	Thorold.....	18 "	102,236.85
Palmerston.....	19 "	43,946.64	Tilbury.....	20 "	46,942.44
Paris.....	21 "	114,501.88	Tillsonburg.....	24 "	89,180.87
Parkhill.....	17 "	19,407.00	Toronto.....	24 "	19,052,706.83
Petrolia.....	19 "	103,674.76	Toronto twp.....	22 "	113,210.34
Plattsville.....	21 "	9,255.14	Trafalgar twp., Area 1	4 "	4,845.88
Point Edward.....	18 "	60,672.83	Trafalgar twp., Area 2	4 "	1,526.90
Port Colborne.....	19 "	99,465.26	Wallaceburg.....	20 "	189,271.52
Port Credit.....	23 "	41,399.17	Wardsville.....	17 "	3,711.50
Port Dalhousie.....	19 "	36,643.47	Waterdown.....	24 "	22,799.06
Port Dover.....	17 "	26,309.63	Waterford.....	20 "	32,471.51
Port Rowan.....	14 "	6,915.77	Waterloo.....	24 "	264,534.75
Port Stanley.....	23 "	41,169.42	Watford.....	18 "	23,675.99
Preston.....	24 "	263,600.09	Welland.....	18 "	292,169.39
Princeton.....	21 "	9,495.07	Wellesley.....	19 "	16,481.37
Queenston.....	17 "	7,041.01	West Lorne.....	19 "	25,299.40
Richmond Hill.....	16 "	19,995.85	Weston.....	24 "	238,498.52
Ridgetown.....	20 "	43,262.80	Wheatley.....	17 "	13,674.53
Riverside.....	18 "	82,931.61	Windsor.....	21 "	3,059,756.58
Rockwood.....	22 "	11,441.19	Woodbridge.....	21 "	31,317.16
Rodney.....	18 "	13,727.62	Woodstock.....	24 "	404,172.48
St. Catharines.....	19 "	606,105.83	Wyoming.....	19 "	8,322.86
St. Clair Beach.....	18 "	6,884.45	York twp.....	20 "	647,170.08
St. George.....	20 "	14,298.84	York twp. East.....	16 "	284,282.25
St. Jacobs.....	18 "	16,507.17	York twp. North.....	17 "	151,226.34
St. Marys.....	24 "	134,689.05	Zurich.....	18 "	13,289.12
St. Thomas.....	24 "	501,254.59	Ontario Reformatory.....	6 "	5,381.49
Sarnia.....	19 "	630,494.15	Toronto Trans. Com.....	19 "	179,637.15
Scarboro twp.....	17 "	190,289.32	Sandwich, Windsor & Amherstburg Ry. Co.....	18 "	182,678.11
Seaforth.....	24 "	62,103.34			
Simcoe.....	20 "	108,569.15	Total—Municipalities.....		\$45,960,396.21
Springfield.....	18 "	9,306.02	Total—Rural power districts.....		2,947,035.80
Stamford twp.....	19 "	98,893.39			
Stouffville.....	17 "	16,892.38	Grand total.....		\$48,907,432.01

## NIAGARA SYSTEM

## N—RURAL OPERATING

## Rural Power Districts

## Operating Account for Year Ended October 31, 1940

Revenue from customers in rural power districts . . . . .	\$3,148,060.18
Cost of power as provided to be paid under Power Commission Act . .	\$1,413,431.89
Cost of operation, maintenance and administration . . . . .	776,828.50
Interest . . . . .	508,073.34
Provision for renewals . . . . .	216,388.78
Provision for sinking fund . . . . .	114,960.11
	<hr/> 3,029,682.62
Balance . . . . .	<hr/> \$118,377.56 <hr/>

### NIAGARA SYSTEM—RURAL LINES

Statement showing Interest, Renewals, Contingencies and Obsolescence and Sinking Fund charged by the Commission to the Municipalities which operate the respective rural lines for the year ended October 31, 1940

Operated by	Capital cost	Interest	Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Total interest, renewals, contingencies and obsolescence, and sinking fund charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Milton .....	440.82	21.86	8.82	4.41	7.93	43.02
Welland .....	19,617.60	823.94	392.35	196.18	353.12	1,765.59
Totals .....	20,058.42	845.80	401.17	200.59	361.05	1,808.61

### NIAGARA SYSTEM—RURAL LINES

Statement showing the total Sinking Fund in respect of each line, together with interest allowed thereon to October 31, 1940

	Period of years ended October 31, 1940	Amount
Milton .....	27 years	\$ c. 351.43
Welland .....	28 years	16,755.68
Total .....		17,107.11



## GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual Cost

Municipality	Interim rates per horsepower collected by Commission during year	Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Oct. 31, 1940			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Alliston.....	48.00	108,392.51	324.0	824.83	4,271.76	5,024.42
Arthur.....	63.00	66,538.11	161.2	410.38	3,632.21	3,032.88
Barrie.....	32.50	814,875.36	3,613.8	9,199.91	33,334.44	37,553.73
Beaverton.....	40.00	60,157.83	231.8	590.11	2,948.45	2,777.02
Beeton.....	60.00	46,509.58	100.6	256.10	2,044.28	2,186.40
Bradford.....	50.00	65,086.96	186.7	475.30	2,773.07	3,024.05
Brechin.....	48.50	17,227.69	52.4	133.40	818.52	801.74
Cannington.....	40.50	46,188.86	173.5	441.69	2,217.51	2,136.57
Chatsworth.....	41.00	19,667.94	74.4	189.41	984.21	906.88
Chesley.....	35.50	141,362.02	548.9	1,397.37	5,550.90	6,549.46
Coldwater.....	35.00	44,391.80	164.7	419.29	1,696.11	2,052.56
Collingwood.....	37.00	435,517.41	1,771.8	4,510.60	17,572.56	20,050.09
Cookstown.....	45.00	23,159.77	73.1	186.10	900.07	1,074.22
Creemore.....	48.00	44,169.64	140.8	358.44	1,907.09	2,001.57
Dundalk.....	37.00	60,956.99	244.8	623.21	2,814.94	2,828.84
Durham.....	39.00	97,083.07	363.1	924.37	4,618.86	4,539.13
Elmvale.....	39.50	42,755.12	171.4	436.35	2,254.99	1,975.63
Elmwood.....	42.50	17,404.88	63.7	162.17	873.51	806.15
Flesherton.....	45.00	20,857.45	74.3	189.15	1,240.02	976.19
Grand Valley.....	53.00	42,051.58	118.8	302.44	2,209.35	1,904.32
Gravenhurst.....	25.00	177,252.23	962.5	.....	7,758.53	8,437.28
Hanover.....	32.00	270,992.81	1,157.2	2,945.97	10,618.05	12,522.62
Holstein.....	80.00	8,512.64	17.2	43.79	562.62	401.44
Huntsville.....	28.00	269,331.07	1,209.4	.....	10,944.92	12,849.78
Kincardine.....	45.00	211,050.67	684.2	1,741.82	7,758.42	9,778.69
Kirkfield.....	56.00	10,939.98	25.8	65.68	442.21	513.15
Lucknow.....	51.00	82,839.23	232.1	590.87	3,309.67	3,855.27
Markdale.....	37.00	44,900.94	181.4	461.80	2,106.86	2,074.16
Meaford.....	40.00	158,318.10	575.9	1,466.11	6,040.15	7,336.99
Midland.....	31.50	703,640.88	3,119.9	7,942.56	28,321.98	32,469.95
Mildmay.....	45.00	37,695.78	123.8	315.17	1,504.40	1,741.68
Mount Forest.....	44.00	149,446.93	527.0	1,341.62	6,868.36	7,148.01
Neustadt.....	55.00	13,018.80	41.6	105.90	695.14	601.91
Orangeville.....	44.00	201,252.27	665.4	1,693.96	9,067.49	9,371.87
Owen Sound.....	32.00	1,025,529.93	4,364.7	11,111.54	41,084.00	46,777.12

## SYSTEM

## G.B.—COST OF POWER

the Power Commission Act—of power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of Power supplied to it in the year ended October 31, 1940

costs and fixed charges				Revenue received in excess of cost of power sold to private companies (Credit)	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,503.83	372.88	1,296.00	1,115.46	55.20	14,353.98	15,549.60	1,195.62
968.84	221.57	644.80	671.14	27.46	9,554.36	10,154.57	600.21
8,910.18	3,065.59	14,455.20	8,301.53	615.68	114,204.90	117,447.95	3,243.05
729.31	223.86	927.20	615.56	39.49	8,772.02	9,273.65	501.63
727.39	154.13	402.40	483.47	17.14	6,237.03	6,038.00	(199.03)
918.64	225.92	746.80	670.18	31.81	8,802.15	9,334.58	532.43
237.44	62.83	209.60	177.36	8.93	2,431.96	2,540.17	108.21
568.81	171.28	694.00	472.80	29.56	6,673.10	7,026.43	353.33
240.81	77.74	297.60	201.11	12.68	2,885.08	3,050.06	164.98
1,705.25	545.50	2,195.60	1,446.18	93.52	19,296.74	19,486.84	190.10
551.15	174.21	658.80	454.72	28.06	5,978.78	5,765.99	(212.79)
5,074.01	1,628.04	7,087.20	4,441.56	301.86	60,062.20	65,555.67	5,493.47
313.20	86.89	292.40	237.93	12.45	3,078.36	3,291.01	212.65
575.96	154.94	563.20	443.90	23.99	5,981.11	6,756.00	774.89
721.02	233.09	979.20	624.18	41.71	8,782.77	9,057.72	274.95
1,216.10	373.20	1,452.40	1,003.02	61.86	14,065.22	14,161.45	96.23
504.73	164.71	685.60	436.97	29.20	6,429.78	6,770.33	340.55
217.89	70.13	254.80	178.36	10.85	2,552.16	2,706.19	154.03
269.57	77.09	297.20	216.16	12.66	3,252.72	3,342.39	89.67
574.31	145.83	475.20	421.06	20.24	6,012.27	6,298.17	285.90
1,686.26	710.07	3,850.00	1,849.39	163.98	24,127.55	24,063.56	(63.99)
3,054.31	1,062.92	4,628.80	2,764.18	197.15	37,399.70	37,028.96	(370.74)
135.89	26.69	68.80	88.73	2.93	1,325.03	1,378.66	53.63
3,051.81	1,010.75	4,837.60	2,815.01	206.05	35,303.82	33,864.10	(1,439.72)
2,823.14	744.12	2,736.80	2,169.92	116.57	27,636.34	30,789.81	3,153.47
166.06	36.70	103.20	113.20	4.40	1,435.80	1,442.02	6.22
1,182.58	287.59	928.40	854.50	39.54	10,969.34	11,836.69	867.35
527.20	166.76	725.60	458.80	30.91	6,490.27	6,710.58	220.31
1,989.10	583.87	2,303.60	1,622.61	98.12	21,244.31	23,034.66	1,790.35
7,695.11	2,592.78	12,479.60	7,168.37	531.54	98,138.81	98,277.11	138.30
498.91	140.16	495.20	386.36	21.09	5,060.79	5,569.90	509.11
2,000.66	557.64	2,108.00	1,579.84	89.78	21,514.35	23,187.44	1,673.09
175.34	46.40	166.40	133.87	7.09	1,917.87	2,288.02	370.15
2,671.07	716.56	2,661.60	2,071.08	113.36	28,140.27	29,277.57	1,137.30
11,326.93	3,806.20	17,458.80	10,324.13	743.62	141,145.10	139,669.33	(1,475.77)

## GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual Cost

Municipality	Interim rates per horsepower collected by Commission during year	Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Oct. 31, 1940			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Paisley .....	50.00	45,767.23	132.1	336.30	1,725.48	2,127.82
Penetanguishene .....	36.50	214,333.46	861.3	2,192.67	8,402.73	9,895.83
Port Elgin .....	39.00	127,244.73	426.5	1,085.77	4,825.10	5,793.70
Port McNicoll .....	37.00	23,811.47	88.3	224.79	999.02	1,103.83
Port Perry .....	46.50	87,795.66	272.2	692.96	3,365.39	4,078.53
Priceville .....	50.00	3,683.38	10.0	25.46	224.01	173.13
Ripley .....	65.00	37,100.10	87.3	222.25	1,629.43	1,732.76
Rosseau .....	80.00	24,418.25	37.7	.....	859.91	1,158.75
Shelburne .....	42.00	74,480.26	260.4	662.92	3,555.63	3,464.21
Southampton .....	39.00	100,725.43	347.7	885.17	3,951.69	4,604.06
Stayner .....	38.00	71,289.65	261.4	665.47	3,075.28	3,105.97
Sunderland .....	54.00	27,937.02	80.0	203.66	1,164.60	1,297.75
Tara .....	42.00	31,617.24	104.8	266.80	1,368.36	1,389.29
Teeswater .....	50.00	48,406.66	142.6	363.03	2,023.37	2,249.73
Thornton .....	60.00	13,330.83	33.5	85.28	510.26	619.45
Tottenham .....	70.00	38,672.36	76.1	193.73	2,019.82	1,776.90
Uxbridge .....	48.50	104,031.89	314.2	799.88	3,890.20	4,839.89
Victoria Harbour .....	38.00	20,498.67	77.4	197.04	957.82	955.07
Walkerton .....	34.00	187,091.07	794.1	2,021.60	7,725.88	8,625.60
Waubushene .....	38.00	26,016.26	104.9	267.05	1,253.91	1,191.86
Warton .....	54.00	118,398.52	313.8	798.86	4,630.07	5,445.10
Windermere .....	55.00	15,927.58	43.5	.....	674.25	751.09
Wingham .....	50.00	171,756.04	503.7	1,282.31	5,822.00	7,975.29
Woodville .....	54.00	26,054.81	76.7	195.26	1,065.35	1,207.23
Totals—Municipalities .....		7,219,465.40	27,992.1	65,525.67	297,465.21	333,644.61
Totals—Rural Power districts .....		1,840,568.41	6,683.0	18,288.50	69,666.89	85,170.38
Totals—Companies .....		343,270.00	1,307.1	3,327.61	12,781.02	15,829.09
Totals—Local distribution systems .....		256,444.02	542.0	1,379.82	13,108.65	11,613.27
Non-operating capital .....		9,659,747.83				
		181,053.35				
Grand totals .....		9,840,801.18	36,524.2	88,521.60	393,021.77	446,257.35



## SYSTEM

## G.B.—COST OF POWER

the Power Commission Act—of power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of Power supplied to it in the year ended October 31, 1940

costs and fixed charges				Revenue received in excess of cost of power sold to private companies (Credit)	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
645.33	163.61	528.40	471.74	22.51	5,976.17	6,603.76	627.59
2,526.00	792.39	3,445.20	2,190.41	146.74	29,298.49	31,437.07	2,138.58
1,614.23	443.39	1,706.00	1,275.98	72.66	16,671.51	16,631.59	(39.92)
295.73	93.98	353.20	243.91	15.04	3,299.42	3,266.50	(32.92)
1,199.48	302.85	1,088.80	903.47	46.37	11,585.11	12,659.25	1,074.14
53.38	15.68	40.00	38.09	1.70	568.05	499.94	(68.11)
563.64	123.03	349.20	383.97	14.87	4,989.41	5,676.14	686.73
415.58	75.02	150.80	256.47	6.42	2,910.11	3,015.35	105.24
959.74	280.73	1,041.60	765.45	44.36	10,685.92	10,935.76	249.84
1,269.79	358.54	1,390.80	1,015.91	59.24	13,416.72	13,562.13	145.41
809.53	259.67	1,045.60	687.37	44.53	9,604.36	9,933.10	328.74
395.06	95.58	320.00	287.92	13.63	3,750.94	4,321.80	570.86
383.59	114.84	419.20	306.66	17.85	4,230.89	4,400.55	169.66
676.79	187.71	570.40	498.79	24.29	6,545.53	7,128.74	583.21
197.99	49.15	134.00	137.70	5.71	1,728.12	2,010.50	282.38
604.34	121.78	304.40	394.21	12.97	5,402.21	5,325.83	(76.38)
1,438.35	360.27	1,256.80	1,071.19	53.53	13,603.05	15,236.28	1,633.23
251.75	77.73	309.60	209.87	13.19	2,945.69	2,939.62	(6.07)
2,119.41	718.19	3,176.40	1,909.20	135.29	26,160.99	26,999.53	838.54
302.65	103.40	419.60	264.15	17.87	3,784.75	3,985.57	200.82
1,697.00	401.56	1,255.20	1,206.97	53.46	15,381.30	16,945.92	1,564.62
234.57	55.94	174.00	166.96	7.41	2,049.40	2,392.05	342.65
2,402.14	602.13	2,014.80	1,767.94	85.82	21,780.79	25,187.16	3,406.37
364.17	89.81	306.80	268.36	13.07	3,483.91	4,140.00	656.09
86,933.05	26,605.62	111,968.40	73,735.33	(4,769.01)	991,108.88	1,027,259.32	40,135.88 (3,985.44)
23,391.77	6,846.61	26,732.00	18,814.61	(1,138.58)	247,772.18	247,772.18	.....
4,161.24	1,273.71	29,106.42	3,496.73	5,651.00	75,626.82	75,626.82	.....
3,844.18	1,518.02	.....	2,565.43	256.59	34,285.96	34,285.96	.....
118,330.24	36,243.96	167,806.82	98,612.10	.....	1,348,793.84	1,384,944.28	40,135.88 (3,985.44)

## GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1940, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1939	
		Credit	Charge
		\$ c.	\$ c.
Alliston .....	June 1918	1,509.42	.....
Arthur .....	Dec. 1916	309.22	.....
Barrie .....	April 1913	1,922.25	.....
Beaverton .....	Nov. 1914	568.42	.....
Beeton .....	Aug. 1918	160.26	.....
Bradford .....	Oct. 1918	731.11	.....
Brechin .....	Jan. 1915	80.93	.....
Cannington .....	Nov. 1914	220.59	.....
Chatsworth .....	Dec. 1915	198.56	.....
Chesley .....	July 1916	.....	174.45
Coldwater .....	Mar. 1913	388.45	.....
Collingwood .....	Mar. 1913	3,490.88	.....
Cookstown .....	May 1918	158.27	.....
Creemore .....	Nov. 1914	466.10	.....
Dundalk .....	Dec. 1915	.....	235.36
Durham .....	Dec. 1915	86.64	.....
Elmvale .....	June 1913	154.08	.....
Elmwood .....	April 1918	75.00	.....
Flesherton .....	Dec. 1915	136.71	.....
Grand Valley .....	Dec. 1916	104.01	.....
Gravenhurst .....	Nov. 1915	.....	1,635.80
Hanover .....	Sept. 1916	.....	665.74
Holstein .....	May 1916	13.09	.....
Huntsville .....	Sept. 1916	.....	3,073.41
Kincardine .....	Mar. 1921	2,427.81	.....
Kirkfield .....	June 1920	.....	31.77
Lucknow .....	Jan. 1921	961.24	.....
Markdale .....	Mar. 1916	169.11	.....
Meaford .....	Jan. 1924	616.17	.....
Midland .....	July 1911	.....	1,342.99
Mildmay .....	Dec. 1932	482.70	.....
Mount Forest .....	Dec. 1915	217.02	.....
Neustadt .....	Dec. 1918	249.62	.....
Orangeville .....	July 1916	210.12	.....
Owen Sound .....	Dec. 1915	.....	2,798.39

## SYSTEM

## G.B.—CREDIT OR CHARGE

power supplied to it to October 31, 1939, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1940

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1940		Accumulated amount standing as a credit or charge on October 31, 1940	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	1,509.42	1,195.62	.....	1,195.62	.....
.....	309.22	600.21	.....	600.21	.....
.....	1,922.25	3,243.05	.....	3,243.05	.....
.....	568.42	501.63	.....	501.63	.....
.....	160.26	.....	199.03	.....	199.03
.....	731.11	532.43	.....	532.43	.....
.....	80.93	108.21	.....	108.21	.....
.....	220.59	353.33	.....	353.33	.....
.....	198.56	164.98	.....	164.98	.....
174.45	.....	190.10	.....	190.10	.....
.....	388.45	.....	212.79	.....	212.79
.....	3,490.88	5,493.47	.....	5,493.47	.....
.....	158.27	212.65	.....	212.65	.....
.....	466.10	774.89	.....	774.89	.....
235.36	.....	274.95	.....	274.95	.....
.....	86.64	96.23	.....	96.23	.....
.....	154.08	340.55	.....	340.55	.....
.....	75.00	154.03	.....	154.03	.....
.....	136.71	89.67	.....	89.67	.....
1,117.39	104.01	285.90	.....	1,403.29	.....
.....	.....	.....	63.99	.....	1,699.79
665.74	.....	.....	370.74	.....	370.74
.....	13.09	53.63	.....	53.63	.....
2,000.00	.....	.....	1,439.72	.....	2,513.13
.....	2,427.81	3,153.47	.....	3,153.47	.....
31.77	.....	6.22	.....	6.22	.....
.....	961.24	867.35	.....	867.35	.....
.....	169.11	220.31	.....	220.31	.....
.....	616.17	1,790.35	.....	1,790.35	.....
1,342.99	.....	138.30	.....	138.30	.....
.....	482.70	509.11	.....	509.11	.....
.....	217.02	1,673.09	.....	1,673.09	.....
.....	249.62	370.15	.....	370.15	.....
.....	210.12	1,137.30	.....	1,137.30	.....
2,798.39	.....	.....	1,475.77	.....	1,475.77



## GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1940, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1939	
		Credit	Charge
Paisley .....	Sept. 1923	\$ 472.79	\$ c.
Penetanguishene .....	July 1911	1,182.45	
Port Elgin .....	Mar. 1931		649.62
Port McNicoll .....	Jan. 1915	20.69	
Port Perry .....	Sept. 1922	658.84	
Priceville .....	Mar. 1920		40.24
Ripley .....	Jan. 1921	328.14	
Rosseau .....	July 1931	160.43	
Shelburne .....	July 1916	51.75	
Southampton .....	Feb. 1931		321.09
Stayner .....	Oct. 1913	370.27	
Sunderland .....	Nov. 1914	395.91	
Tara .....	Feb. 1918		67.47
Teeswater .....	Dec. 1920	582.37	
Thornton .....	Nov. 1918	228.46	
Tottenham .....	Oct. 1918	445.48	
Uxbridge .....	Sept. 1922	690.19	
Victoria Harbour .....	July 1914		336.81
Walkerton .....	Feb. 1931	1,121.06	
Waubashene .....	Dec. 1914	291.33	
Wiarton .....	May 1931	1,397.99	
Windermere .....	June 1930	260.01	
Wingham .....	Dec. 1920	1,808.66	
Woodville .....	Nov. 1914	528.92	
Totals—Municipalities .....		27,103.52	11,373.14
Totals—Rural power districts .....		75,052.43	215,842.32
Grand totals .....		102,155.95	227,215.46

## SYSTEM

## G.B.—CREDIT OR CHARGE

power supplied to it to October 31, 1939, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1940

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1940		Accumulated amount standing as a credit or charge on October 31, 1940	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	472.79	627.59	.....	627.59	.....
.....	1,182.45	2,138.58	.....	2,138.58	.....
649.62	.....	.....	39.92	.....	39.92
.....	20.69	.....	32.92	.....	32.92
.....	658.84	1,074.14	.....	1,074.14	.....
40.24	.....	.....	68.11	.....	68.11
.....	328.14	686.73	.....	686.73	.....
.....	160.43	105.24	.....	105.24	.....
.....	51.75	249.84	.....	249.84	.....
321.09	.....	145.41	.....	145.41	.....
.....	370.27	328.74	.....	328.74	.....
.....	395.91	570.86	.....	570.86	.....
67.47	.....	169.66	.....	169.66	.....
.....	582.37	583.21	.....	593.21	.....
.....	228.46	282.38	.....	282.38	.....
.....	445.48	.....	76.38	.....	76.38
.....	690.19	1,633.23	.....	1,633.23	.....
336.81	.....	.....	6.07	.....	6.07
.....	1,121.06	838.54	.....	838.54	.....
.....	291.33	200.82	.....	200.82	.....
.....	1,397.99	1,564.62	.....	1,564.62	.....
.....	260.01	342.65	.....	342.65	.....
.....	1,808.66	3,406.37	.....	3,406.37	.....
.....	528.92	656.09	.....	656.09	.....
9,781.32	27,103.52	40,135.88	3,985.44	41,253.27	6,694.65
4,492.86	13,640.96	12,159.39	65,945.87	85,499.40	289,223.87
14,274.18	40,744.48	52,295.27	69,931.31	126,752.67	295,918.52

## GEORGIAN BAY SYSTEM

## G.B.—SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1940

Municipality	Period of years ended Oct. 31, 1940	Amount	Municipality	Period of years ended Oct. 31, 1940	Amount
		\$ c.			\$ c.
Alliston.....	17 years	23,557.73	Mildmay.....	8 years	3,072.72
Arthur.....	19 "	19,823.79	Mount Forest.....	20 "	32,980.23
Barrie.....	22 "	153,510.23	Neustadt.....	17 "	6,573.38
Beaverton.....	21 "	20,975.99	Orangeville.....	19 "	44,834.16
Beeton.....	17 "	15,829.66	Owen Sound.....	20 "	211,262.23
Bradford.....	17 "	18,473.49	Paisley.....	16 "	11,135.06
Brechin.....	21 "	7,838.87	Penetanguishene.....	24 "	64,110.98
Cannington.....	21 "	15,841.57	Port Elgin.....	10 "	11,109.74
Chatsworth.....	20 "	4,509.69	Port McNicoll.....	21 "	6,404.87
Chesley.....	19 "	36,791.95	Port Perry.....	16 "	17,606.55
Coldwater.....	22 "	15,370.19	Priceville.....	16 "	972.44
Collingwood.....	22 "	138,484.05	Ripley.....	16 "	7,832.45
Cookstown.....	17 "	5,449.94	Rosseau.....	10 "	3,417.69
Creemore.....	21 "	12,133.47	Shelburne.....	19 "	19,415.32
Dundalk.....	20 "	12,805.92	Southampton.....	10 "	9,637.12
Durham.....	20 "	31,646.48	Stayner.....	22 "	16,774.21
Elmvale.....	22 "	15,413.47	Sunderland.....	21 "	10,414.38
Elmwood.....	17 "	4,181.99	Tara.....	17 "	8,579.18
Flesherton.....	20 "	6,754.40	Teeswater.....	16 "	12,423.43
Grand Valley.....	19 "	12,306.58	Thornton.....	17 "	3,418.29
Gravenhurst.....	20 "	28,956.02	Tottenham.....	17 "	10,782.86
Hanover.....	19 "	83,031.19	Uxbridge.....	16 "	18,727.06
Holstein.....	19 "	2,736.95	Victoria Harbour.....	21 "	6,613.35
Huntsville.....	19 "	59,945.50	Walkerton.....	10 "	18,027.62
Kincardine.....	16 "	42,791.79	Waubauskene.....	21 "	4,425.18
Kirkfield.....	16 "	3,253.27	Wiarton.....	10 "	13,777.77
Lucknow.....	16 "	19,737.42	Windermere.....	11 "	2,391.04
Markdale.....	19 "	10,389.71	Wingham.....	16 "	36,864.07
Meaford.....	16 "	30,007.26	Woodville.....	21 "	10,168.16
Midland.....	22 "	221,065.64			
			Total—Municipalities.....		\$1,697,365.75
			Total—Rural power districts.....		312,264.06
			Grand total.....		\$2,009,629.81



*G.B.—RURAL OPERATING***GEORGIAN BAY SYSTEM****Rural Power Districts****Operating Account for Year Ended October 31, 1940**

Revenue from customers in rural power districts . . . . .	\$522,873.55
Cost of power as provided to be paid under Power Commission Act . . .	\$247,772.18
Cost of operation, maintenance and administration . . . . .	144,388.77
Interest . . . . .	113,474.64
Provision for renewals . . . . .	45,957.27
Provision for sinking fund . . . . .	25,067.17
	<hr/> 576,660.03
Balance . . . . .	<hr/> \$53,786.48 <hr/>

**GEORGIAN BAY SYSTEM—RURAL LINES**

**Statement showing Interest, Renewals, Contingencies and Obsolescence and Sinking Fund charged by the Commission to the Municipality which operates the rural line for the year ended October 31, 1940**

Operated by	Capital cost	Interest	Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Total interest, renewals, obsolescence, contingencies and sinking fund charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Brechin . . . . .	922.02	48.22	18.44	9.22	16.60	92.48

**GEORGIAN BAY SYSTEM—RURAL LINES**

**Statement showing the total Sinking Fund paid in respect of this line, together with interest allowed thereon to October 31, 1940**

	Period of years ended October 31, 1940	Amount
Brechin . . . . .	22 years	\$ c. 530.88

## EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual Cost of

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1939	From Jan. 1, 1940			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Alexandria.....	52.00	52.00	75,528.23	203.1	1,313.67	1,927.97	3,503.29
Apple Hill.....	44.00	44.00	12,025.16	44.0	284.60	466.23	554.71
Arnprior.....	30.00	30.00	144,441.70	1,034.2	6,689.32	6,871.91	6,512.26
Athens.....	45.00	45.00	34,036.55	106.8	690.79	792.16	1,572.82
Bath.....	56.00	56.00	12,564.97	35.6	230.26	363.26	576.71
Belleville.....	26.00	26.00	885,058.44	5,954.2	38,512.44	29,454.06	39,993.40
Bloomfield.....	47.00	47.00	33,041.94	112.7	728.96	1,103.98	1,500.98
Bowmanville...	31.00	31.00	457,942.51	2,477.0	16,021.52	17,356.61	20,877.01
Brighton.....	32.00	32.00	66,371.36	348.4	2,253.49	2,260.39	3,030.59
Brockville.....	26.00	26.00	596,916.81	3,907.5	25,274.15	21,150.05	27,006.65
Cardinal.....	28.00	30.00	44,842.75	291.0	1,882.22	1,877.97	2,035.72
Carleton Place..	28.00	28.00	266,113.32	1,734.1	11,216.35	8,780.85	12,020.08
Chesterville....	33.00	33.00	55,276.34	272.0	1,759.33	1,925.03	2,529.03
Cobden.....	60.00	60.00	23,604.88	66.8	432.07	636.47	1,085.25
Cobourg.....	31.00	31.00	370,488.77	2,034.7	13,160.67	14,894.45	16,513.59
Colborne.....	33.00	33.00	42,560.36	199.3	1,289.09	1,565.02	1,958.48
Deseronto.....	46.00	46.00	47,118.29	161.4	1,043.95	1,608.41	2,170.82
Finch.....	42.00	42.00	23,240.25	87.8	567.90	759.68	1,070.17
Hastings.....	42.00	42.00	26,690.45	105.7	683.68	913.30	1,226.86
Havelock.....	46.50	46.50	47,663.22	151.2	977.98	1,420.65	2,200.50
Iroquois Village.....		27.50	27,525.93	186.9	1,208.89	1,343.10	1,194.71
Kemptville.....	35.00	35.00	71,392.90	359.0	2,322.05	2,240.53	3,389.48
Kingston.....	27.00	28.00	1,550,278.07	9,275.7	59,996.27	50,844.60	70,618.73
Lakefield.....	37.00	37.00	71,930.90	295.8	1,913.27	2,344.62	3,305.87
Lanark.....	40.00	40.00	22,568.82	86.2	557.55	687.23	1,012.03
Lancaster.....	60.00	55.00	18,430.88	47.1	304.65	553.14	794.35
Lindsay.....	34.00	34.00	518,626.18	2,742.2	17,736.86	22,697.30	23,623.89
Madoc.....	44.00	46.50	51,417.77	185.9	1,202.42	2,473.96	2,390.26
Marmora.....	38.00	38.00	30,745.50	131.2	848.62	1,085.98	1,410.87
Martintown....	42.00	40.00	7,732.10	35.9	232.21	354.77	352.15
Maxville.....	48.00	48.00	30,851.38	93.3	603.47	810.42	1,429.63
Millbrook.....	40.00	42.00	20,462.81	85.2	551.08	925.46	941.29
Morrisburg.....	32.50	32.50	37,785.33	200.3	1,295.56	1,520.59	1,722.68
Napanee.....	30.00	30.00	212,758.03	1,209.7	7,824.48	8,048.50	9,679.96
Newcastle.....	32.50	33.50	28,949.59	142.7	923.00	1,047.32	1,317.81

## SYSTEM

## E.O.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality  
Power supplied to it in the year ended October 31, 1940

costs and fixed charges				Revenue received in excess of cost of power sold to private companies (Credit)	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,279.48	241.35	812.40	781.34	89.32	9,770.18	10,560.32	790.14
190.44	44.84	176.00	123.60	19.35	1,821.07	1,933.79	112.72
1,712.10	598.44	4,136.80	1,449.85	454.80	27,515.88	31,026.64	3,510.76
559.17	109.76	427.20	351.04	46.97	4,455.97	4,805.64	349.67
189.80	37.49	142.40	129.44	15.66	1,653.70	1,990.80	337.10
7,549.58	2,854.17	23,816.80	8,910.20	2,618.43	148,472.22	154,808.98	6,336.76
460.12	103.09	450.80	335.66	49.56	4,634.03	5,298.86	664.83
4,930.32	1,525.10	9,908.00	4,648.96	1,089.29	74,178.23	76,786.49	2,608.26
733.02	234.51	1,393.60	674.72	153.21	10,427.11	11,149.87	722.76
7,490.71	2,287.45	15,630.00	6,015.98	1,718.37	103,136.62	101,595.65	(1,540.97)
566.05	181.43	1,164.00	452.34	127.97	8,031.76	8,627.77	596.01
3,349.17	1,007.09	6,936.40	2,682.92	762.59	45,230.27	48,553.47	3,323.20
796.28	208.25	1,088.00	563.48	119.62	8,749.78	8,974.65	224.87
396.10	80.12	267.20	243.97	29.38	3,111.80	4,009.00	897.20
3,773.79	1,229.71	8,138.80	3,673.43	894.78	60,489.66	63,076.47	2,586.81
514.76	157.55	797.20	436.22	87.64	6,630.68	6,577.21	(53.47)
667.03	176.97	645.60	484.97	70.98	6,726.77	7,423.06	696.29
364.99	80.72	351.20	238.72	38.61	3,394.77	3,688.30	293.53
353.51	91.59	422.80	273.73	46.48	3,918.99	4,438.70	519.71
695.35	154.73	604.80	491.42	66.49	6,478.94	7,031.01	552.07
316.91	105.95	747.60	265.96	82.19	5,100.93	5,140.70	39.77
1,076.74	268.07	1,436.00	757.28	157.87	11,332.28	12,565.87	1,233.59
15,192.27	4,862.71	37,102.80	15,687.22	4,079.10	250,225.50	258,034.46	7,808.96
934.02	231.06	1,183.20	736.94	130.08	10,518.90	10,944.36	425.46
342.20	78.71	344.80	225.88	37.91	3,210.49	3,445.99	235.50
290.55	55.86	188.40	177.95	20.71	2,344.19	2,630.84	286.65
5,693.05	1,687.55	10,968.80	5,270.35	1,205.91	86,471.89	93,235.65	6,763.76
713.49	179.59	743.60	529.74	81.75	8,151.31	8,558.95	407.64
391.23	115.22	524.80	314.74	57.70	4,633.76	4,986.22	352.46
113.79	29.12	143.60	78.95	15.79	1,288.80	1,446.94	158.14
510.87	104.29	373.20	318.45	41.03	4,109.30	4,478.00	368.70
263.06	73.19	340.80	209.12	37.47	3,266.53	3,548.83	282.30
527.98	158.46	801.20	384.20	88.08	6,322.59	6,511.01	188.42
2,191.35	728.95	4,838.80	2,156.45	531.98	34,936.51	36,291.75	1,355.24
331.89	100.54	570.80	293.02	62.75	4,521.63	4,751.23	229.60



## EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual Cost of

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1939	From Jan. 1, 1940			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Norwood.....	35.50	35.50	26,629.29	132.9	859.61	1,038.61	1,213.74
Omemece.....		35.00	31,406.36	149.6	967.63	1,145.23	1,435.22
Orono.....	37.00	40.00	21,121.35	86.6	560.14	759.13	970.60
Oshawa.....	30.50	30.50	2,815,412.95	15,258.2	98,691.76	98,241.54	128,357.11
Ottawa.....			964.71	19,747.2	217,218.81	151.30	45.63
Ottawa.....	20.50	20.50	1,155,702.22	11,316.3	73,195.11	51,612.32	53,189.76
Perth.....	28.00	28.00	235,170.54	1,543.6	9,984.18	8,137.65	10,588.49
Peterborough...	26.00	26.00	1,553,372.21	10,071.9	65,146.19	52,334.96	70,396.31
Picton.....	39.50	39.50	267,441.52	1,099.1	7,109.10	8,411.00	12,238.09
Port Hope.....	32.50	32.50	370,430.56	2,142.1	13,855.34	16,680.92	16,799.01
Prescott.....	26.50	26.50	163,975.68	1,062.6	6,873.02	5,955.71	7,428.76
Richmond.....	50.00	50.00	19,435.50	64.2	415.25	545.55	891.63
Russell.....	46.00	46.00	22,415.52	67.4	435.95	705.26	1,036.69
Smiths Falls...	25.00	25.00	319,516.74	2,375.6	15,365.65	11,730.68	14,364.66
Stirling.....	27.00	27.00	43,877.37	286.3	1,851.82	1,732.68	1,985.69
Trenton.....	24.00	24.00	553,968.42	3,926.1	25,394.46	17,949.76	25,026.09
Tweed.....	50.00	50.00	70,055.52	238.5	1,542.64	2,242.01	3,225.42
Warkworth.....	40.00	40.00	19,102.45	79.9	516.80	548.97	871.53
Wellington.....	38.00	38.00	43,204.12	182.9	1,183.02	1,495.23	1,945.15
Westport.....	55.00	55.00	38,436.66	94.2	609.30	851.00	1,779.22
Whitby.....	30.50	30.50	234,551.21	1,273.9	8,239.73	8,113.74	10,692.00
Williamsburg...	28.00	30.00	21,591.84	127.6	825.33	913.83	986.74
Winchester.....	31.00	31.00	56,908.61	317.8	2,055.57	2,196.95	2,591.47
Totals—Municipalities.....			14,051,673.84	106,049.1	775,429.23	506,600.00	639,181.64
Totals—Rural power districts...			2,073,201.42	11,884.5	90,533.21	70,574.18	93,552.39
Totals—Companies.....			3,789,957.07	22,682.2	159,029.33	120,042.58	172,701.46
Totals—Local distribution systems.....			88,839.27	366.8	2,372.51	7,252.77	4,088.80
Totals—Pulp mill.....			121,963.66	814.5	5,268.28	3,627.74	5,517.39
Non-operating capital.....			20,125,635.26 447,018.30				
Grand totals.....			20,572,653.56	141,797.1	1,032,632.56	708,097.27	915,041.68

## SYSTEM

## E.O.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality  
Power supplied to it in the year ended October 31, 1940

costs and fixed charges				Revenue received in excess of cost of power sold to private com- panies (Credit)	Amount charged to each municip- ality in respect of power supplied to it in the year	Amount received from (or billed against) each municip- ality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obso- lescence	Provision for stabiliza- tion of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
305.88	97.84	531.60	271.20	58.44	4,260.04	4,718.54	458.50
371.33	108.92	598.40	319.50	65.79	4,880.44	5,236.88	356.44
272.46	69.89	346.40	215.23	38.08	3,155.77	3,417.39	261.62
30,260.75	9,157.39	61,032.80	28,579.57	6,709.98	447,610.94	465,374.59	17,763.65
19.30	4.82	.....	10.16	.....	217,450.02	217,450.02	.....
11,095.39	4,763.74	45,265.20	11,831.02	4,976.47	245,976.07	231,983.61	(13,992.46)
2,936.58	919.00	6,174.40	2,364.66	678.82	40,426.14	43,220.79	2,794.65
13,885.94	4,932.17	40,287.60	15,659.40	4,429.23	258,213.34	261,868.09	3,654.75
3,461.46	834.96	4,396.40	2,733.48	483.34	38,701.15	43,415.10	4,713.95
3,752.69	1,234.66	8,568.40	3,751.34	942.01	63,700.35	69,616.63	5,916.28
2,071.56	642.93	4,250.40	1,654.16	467.29	28,409.25	28,158.23	(251.02)
314.71	61.52	256.80	199.68	28.23	2,656.91	3,211.66	554.75
371.68	73.40	269.60	231.43	29.64	3,094.37	3,099.27	4.90
3,687.33	1,295.46	9,502.40	3,201.14	1,044.70	58,102.62	59,390.42	1,287.80
388.82	140.76	1,145.20	442.02	125.90	7,561.09	7,730.34	169.25
4,385.58	1,778.79	15,704.40	5,563.29	1,726.55	94,075.82	94,227.14	151.32
994.48	219.54	954.00	721.28	104.88	9,794.49	11,924.16	2,129.67
245.84	64.00	319.60	195.66	35.14	2,727.26	3,197.33	470.07
538.32	141.25	731.60	435.03	80.43	6,389.17	6,950.86	561.69
659.28	128.83	376.80	397.06	41.43	4,760.06	5,179.64	419.58
2,516.33	731.31	5,095.60	2,380.76	560.21	37,209.26	38,852.74	1,643.48
286.77	88.17	510.40	218.65	56.11	3,773.78	3,780.40	6.62
776.86	220.72	1,271.20	577.54	139.76	9,550.55	9,851.80	301.25
149,060.51	47,893.70	345,207.60	142,321.50	(37,952.25)	2,567,741.93	2,640,783.11	88,879.10 (15,837.92)
24,417.75	7,320.94	47,538.00	20,826.25	(5,226.35)	349,536.37	349,536.37	.....
41,810.20	21,339.34	4,907.77	37,459.02	37,844.81	595,134.51	595,134.51	.....
1,248.29	215.81	.....	910.24	4,512.02	20,600.44	20,600.44	.....
1,050.59	404.37	.....	1,228.26	821.77	17,918.40	17,918.40	.....
217,587.34	77,174.16	397,653.37	202,745.27	.....	3,550,931.65	3,623,972.83	88,879.10 (15,837.92)

## EASTERN ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1940, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1939	
		Credit	Charge
		\$ c.	\$ c.
Alexandria.....	Jan. 1921	400.86	.....
Apple Hill.....	April 1921	32.74	.....
Arnprior.....	Jan. 1939	29.16	.....
Athens.....	Jan. 1929	304.70	.....
Bath.....	Nov. 1931	334.53	.....
Belleville.....	April 1929	1,960.91	.....
Bloomfield.....	April 1919	444.08	.....
Bowmanville.....	Oct. 1931	471.83	.....
Brighton.....	Nov. 1929	19.96	.....
Brockville.....	April 1915	1,248.85	.....
Cardinal.....	July 1930	.....	254.55
Carleton Place.....	May 1919	1,919.64	.....
Chesterville.....	April 1914	153.24	.....
Cobden.....	Nov. 1935	637.75	.....
Cobourg.....	Jan. 1932	.....	757.05
Colborne.....	Jan. 1933	67.18	.....
Deseronto.....	Jan. 1931	623.74	.....
Finch.....	Feb. 1928	147.96	.....
Hastings.....	June 1931	203.78	.....
Havelock.....	Feb. 1921	457.70	.....
Iroquois Village.....	Feb. 1940	.....	.....
Kemptville.....	Dec. 1921	1,203.33	.....
Kingston.....	Nov. 1937	.....	9,040.45
Lakefield.....	Aug. 1920	290.93	.....
Lanark.....	Sept. 1921	172.03	.....
Lancaster.....	May 1921	280.83	.....
Lindsay.....	Mar. 1928	2,975.29	.....
Madoc.....	Jan. 1930	.....	550.34
Marmora.....	Jan. 1921	197.71	.....
Martintown.....	May 1921	149.03	.....
Maxville.....	Feb. 1921	51.11	.....
Millbrook.....	Dec. 1938	.....	140.54
Morrisburg.....	June 1938	194.70	.....
Napanee.....	Nov. 1929	496.15	.....
Newcastle.....	Jan. 1937	.....	109.83



SYSTEM

E.O.—CREDIT OR CHARGE

power supplied to it to October 31, 1939, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1940

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1940		Accumulated amount standing as a credit or charge on October 31, 1940	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	400.86	790.14	.....	790.14	.....
.....	32.74	112.72	.....	112.72	.....
.....	29.16	3,510.76	.....	3,510.76	.....
.....	304.70	349.67	.....	349.67	.....
.....	334.53	337.10	.....	337.10	.....
.....	1,960.91	6,336.76	.....	6,336.76	.....
.....	444.08	664.83	.....	664.83	.....
.....	471.83	2,608.26	.....	2,608.26	.....
.....	19.96	722.76	.....	722.76	.....
.....	1,248.85	.....	1,540.97	.....	1,540.97
254.55	.....	596.01	.....	596.01	.....
.....	1,919.64	3,323.20	.....	3,323.20	.....
.....	153.24	224.87	.....	224.87	.....
.....	637.75	897.20	.....	897.20	.....
757.05	.....	2,586.81	.....	2,586.81	.....
.....	67.18	.....	53.47	.....	53.47
.....	623.74	696.29	.....	696.29	.....
.....	147.96	293.53	.....	293.53	.....
.....	203.78	519.71	.....	519.71	.....
.....	457.70	552.07	.....	552.07	.....
.....	.....	39.77	.....	39.77	.....
.....	1,203.33	1,233.59	.....	1,233.59	.....
9,040.45	.....	7,808.96	.....	7,808.96	.....
.....	290.93	425.46	.....	425.46	.....
.....	172.03	235.50	.....	235.50	.....
.....	280.83	286.65	.....	286.65	.....
.....	2,975.29	6,763.76	.....	6,763.76	.....
550.34	.....	407.64	.....	407.64	.....
.....	197.71	352.46	.....	352.46	.....
.....	149.03	158.14	.....	158.14	.....
.....	51.11	368.70	.....	368.70	.....
140.54	.....	282.30	.....	282.30	.....
.....	194.70	188.42	.....	188.42	.....
.....	496.15	1,355.24	.....	1,355.24	.....
109.83	.....	229.60	.....	229.60	.....

## EASTERN ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1940, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1939	
		Credit	Charge
		\$ c.	\$ c.
Norwood .....	Feb. 1921	269.59	
Omemeë .....	Jan. 1940		
Orono .....	Nov. 1938		234.36
Oshawa .....	Feb. 1929	1,435.24	
Ottawa .....	Jan. 1914		3,031.89
Perth .....	Feb. 1919	2,040.43	
Peterborough .....	Mar. 1913		3,321.76
Picton .....	April 1919	3,036.00	
Port Hope .....	Nov. 1929	3,360.68	
Prescott .....	Dec. 1913	100.88	
Richmond .....	Aug. 1928	319.74	
Russell .....	Feb. 1926	187.62	
Smiths Falls .....	Sept. 1918	932.44	
Stirling .....	Jan. 1930		7.02
Trenton .....	Sept. 1931		2,087.64
Tweed .....	Dec. 1930	1,043.38	
Warkworth .....	Oct. 1923	422.29	
Wellington .....	April 1919	551.35	
Westport .....	Nov. 1931	272.27	
Whitby .....	Jan. 1926	184.84	
Williamsburg .....	April 1915		284.24
Winchester .....	Jan. 1914	209.86	
Totals—Municipalities .....		29,836.33	19,819.67
Totals—Rural power districts .....		234,025.70	143,298.23
Grand totals .....		263,862.03	163,117.90

## SYSTEM

## E.O.—CREDIT OR CHARGE

power supplied to it to October 31, 1939, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1940

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1940		Accumulated amount standing as a credit or charge on October 31, 1940	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	269.59	458.50	.....	458.50	.....
.....	.....	356.44	.....	356.44	.....
234.36	.....	261.62	.....	261.62	.....
.....	1,435.24	17,763.65	.....	17,763.65	.....
3,031.89	.....	.....	13,992.46	.....	13,992.46
.....	2,040.43	2,794.65	.....	2,794.65	.....
3,321.76	.....	3,654.75	.....	3,654.75	.....
.....	3,036.00	4,713.95	.....	4,713.95	.....
.....	3,360.68	5,916.28	.....	5,916.28	.....
.....	100.88	.....	251.02	.....	251.02
.....	319.74	554.75	.....	554.75	.....
.....	187.62	4.90	.....	4.90	.....
.....	932.44	1,287.80	.....	1,287.80	.....
7.02	.....	169.25	.....	169.25	.....
2,087.64	.....	151.32	.....	151.32	.....
.....	1,043.38	2,129.67	.....	2,129.67	.....
.....	422.29	470.07	.....	470.07	.....
.....	551.35	561.69	.....	561.69	.....
.....	272.27	419.58	.....	419.58	.....
.....	184.84	1,643.48	.....	1,643.48	.....
284.24	.....	6.62	.....	6.62	.....
.....	209.86	301.25	.....	301.25	.....
19,819.67	29,836.33	88,879.10	15,837.92	88,879.10	15,837.92
10,493.52	11,577.89	45,224.83	39,289.60	282,541.70	186,963.37
30,313.19	41,414.22	134,103.93	55,127.52	371,420.80	202,801.29



## E.O.—SINKING FUND

## EASTERN ONTARIO SYSTEM

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1940

Municipality	Period of years ended Oct. 31, 1940	Amount	Municipality	Period of years ended Oct. 31, 1940	Amount
		\$ c.			\$ c.
Alexandria.....	16 years	30,582.24	Maxville.....	16 years	9,571.65
Apple Hill.....	16 "	3,309.57	Millbrook.....	2 "	453.70
Arnprior.....	2 "	3,551.63	Morrisburg.....	3 "	1,122.75
Athens.....	12 "	6,166.08	Napanee.....	11 "	40,894.07
Bath.....	9 "	2,044.09	Newcastle.....	4 "	1,487.46
Belleville.....	12 "	168,289.20	Norwood.....	12 "	5,913.85
Bloomfield.....	12 "	6,137.55	Omeme.....	1 "	379.83
Bowmanville.....	9 "	58,191.94	Orono.....	2 "	521.11
Brighton.....	11 "	11,133.98	Oshawa.....	12 "	515,383.90
Brockville.....	20 "	170,947.77	Ottawa.....	25 "	179,022.17
Cardinal.....	11 "	5,406.00	Perth.....	16 "	68,884.70
Carleton Place.....	16 "	78,430.75	Peterborough.....	12 "	302,639.20
Chesterville.....	21 "	27,197.35	Picton.....	12 "	52,235.23
Cobden.....	5 "	1,215.69	Port Hope.....	11 "	55,152.39
Cobourg.....	9 "	43,666.06	Prescott.....	21 "	48,260.84
Colborne.....	8 "	3,823.71	Richmond.....	13 "	2,847.30
Deseronto.....	10 "	6,924.86	Russell.....	15 "	5,562.47
Finch.....	13 "	4,298.06	Smiths Falls.....	17 "	100,208.98
Hastings.....	10 "	3,609.94	Stirling.....	11 "	8,586.69
Havelock.....	12 "	12,042.21	Trenton.....	9 "	75,059.39
Iroquois Village.....	1 "	341.33	Tweed.....	10 "	9,344.67
Kemptville.....	16 "	20,490.23	Warkworth.....	12 "	3,834.87
Kingston.....	3 "	61,806.97	Wellington.....	12 "	9,911.28
Lakefield.....	12 "	12,862.79	Westport.....	9 "	4,664.16
Lanark.....	16 "	6,176.43	Whitby.....	12 "	49,909.82
Lancaster.....	16 "	6,152.23	Williamsburg.....	20 "	6,259.54
Lindsay.....	12 "	92,719.93	Winchester.....	21 "	19,597.35
Madoc.....	11 "	7,675.73			
Marmora.....	12 "	5,530.56	Total—Municipalities.....		\$2,440,518.23
Martintown.....	16 "	2,083.98	Total—Rural power districts.....		538,454.47
			Grand total.....		\$2,978,972.70

*E.O.—RURAL OPERATING*

## EASTERN ONTARIO SYSTEM

## Rural Power Districts

## Operating Account for Year Ended October 31, 1940

Revenue from customers in rural power districts .....	\$905,800.06
Cost of power as provided to be paid under Power Commission Act. . .	\$349,536.37
Cost of operation, maintenance and administration .....	247,514.27
Interest .....	184,609.33
Provision for renewals .....	77,107.77
Provision for sinking fund .....	41,097.09
	<hr/>
	899,864.83
Balance .....	<hr/>
	<u>\$5,935.23</u>

## THUNDER BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual Cost

Municipality	Interim rates per horsepower collected by Commission during year	Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Oct. 31, 1940			Operating, maintenance and administrative expenses	Interest	Provision for renewals
	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Fort William .....	21.00	2,735,430.23	12,260.0	41,595.28	132,828.18	24,314.60
Township of Nipigon .....	28.00	33,560.77	169.6	1,392.37	1,622.53	276.84
Port Arthur .....	21.00	8,757,945.33	39,798.0	131,143.56	425,171.62	77,103.46
Totals—Municipalities .....		11,526,936.33	52,227.6	174,131.21	559,622.33	101,694.90
Totals—Rural power districts .....		129,439.38	452.7	1,668.95	6,285.42	1,317.83
Totals—Companies .....		4,917,080.52	22,655.9	88,390.83	238,758.99	40,664.24
Totals—Mining area—Mines .....		2,959,370.81	11,668.1	57,758.21	143,174.79	15,572.80
Totals—Mining area—Townsites .....		257,788.17	609.9	11,829.25	12,379.24	814.01
		19,790,615.21				
Non-operating capital .....		4,854.34				
Grand totals .....		19,795,469.55	87,614.2	333,778.45	960,220.77	160,063.78

## THUNDER BAY

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made and interest added during the year. Also the net plied in the year ended October 31, 1940, and the accumulated amount

Municipality	Date commenced operating	Net credit or charge at October 31, 1939	
		Credit	Charge
		\$ c.	\$ c.
Fort William .....	Oct. 1926	.....	206.99
Township of Nipigon .....	Jan. 1925	415.81	.....
Port Arthur .....	Dec. 1910	5,456.42	.....
Total—Municipalities .....		5,872.23	206.99
Total—Rural power districts .....		.....	6,863.37
		5,872.23	7,070.36



## SYSTEM

## T.B.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of Power supplied to it in the year ended October 31, 1940

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
12,791.01	9,195.00	28,799.47	8,838.45	258,361.99	257,460.98	(901.01)
157.11	127.20	353.33	122.27	4,051.65	4,748.12	696.47
40,913.14	29,848.50	92,206.17	28,691.06	825,077.51	835,757.15	10,679.64
53,861.26	39,170.70	121,358.97	37,651.78	1,087,491.15	1,097,966.25	11,376.11 (901.01)
612.31	339.53	1,362.82	326.36	11,913.22	11,913.22	.....
33,939.32	.....	50,286.00	(37,978.14)	414,061.24	414,061.24	.....
83,120.52	78,575.88	21,755.05	.....	399,957.25	399,957.25	.....
12,740.45	7,136.57	1,137.16	.....	46,036.68	46,036.68	.....
184,273.86	125,222.68	195,900.00	.....	1,959,459.54	1,969,934.64	11,376.11 (901.01)

## SYSTEM

## T.B.—CREDIT OR CHARGE

power supplied to it to October 31, 1939, the cash receipts and payments thereon amount Credited or Charged to each Municipality in respect of power supplied as a Credit or Charge to each Municipality at October 31, 1940

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1940		Accumulated amount standing as a credit or charge on October 31, 1940	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
206.99	.....	.....	901.01	.....	901.01
.....	415.81	696.47	.....	696.47	.....
.....	5,456.42	10,679.64	.....	10,679.64	.....
206.99	5,872.23	11,376.11	901.01	11,376.11	901.01
.....	377.08	.....	3,803.09	.....	11,043.54
206.99	6,249.31	11,376.11	4,704.10	11,376.11	11,944.55

*T.B.—SINKING FUND***THUNDER BAY SYSTEM**

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1940

Municipality	Period of years ended October 31, 1940	Amount
Fort William.....	14 years	\$ c. 630,460.69
Township of Nipigon.....	14 "	5,255.82
Port Arthur.....	14 "	2,074,621.13
Total—Municipalities.....		2,710,337.64
Total—Rural power districts.....		16,013.04
Grand totals.....		2,726,350.68

*T.B.—RURAL OPERATING***THUNDER BAY SYSTEM****Rural Power Districts****Operating Account for Year Ended October 31, 1940**

Revenue from customers in rural power districts .....	\$ 33,978.56
Cost of power as provided to be paid under Power Commission Act.....	\$ 11,913.22
Cost of operation, maintenance and administration .....	11,018.40
Interest.....	9,118.08
Provision for renewals.....	3,754.96
Provision for sinking fund.....	1,976.99
	<hr/> 37,781.65
Balance.....	<hr/> \$ 3,803.09

**NORTHERN ONTARIO PROPERTIES**

(Operated by The Hydro-Electric Power Commission of Ontario)

**FINANCIAL ACCOUNTS**

For the Year ended October 31, 1940

Relating to Power Properties which are held and operated by the  
Commission in trust for the Province of Ontario, and which  
are situated in the following Northern Districts:

Nipissing

Sudbury

Abitibi

Patricia-St. Joseph

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**STATEMENTS**

Balance Sheet as at October 31, 1940

Operating Account for the Year ended October 31, 1940

Schedules supporting the Balance Sheet as at October 31, 1940

Fixed Assets—By Districts

Renewals Reserves

Contingency and Obsolescence Reserves

Sinking Fund Reserves



## NORTHERN ONTARIO

Held and Operated by The Hydro-Electric Power  
Balance Sheet as at

## ASSETS

## FIXED ASSETS:

Nipissing district.....	\$1,374,747.19	
Sudbury district.....	4,319,166.19	
Abitibi district.....	28,932,701.49	
Patricia-St. Joseph district.....	4,385,624.13	
Kenogami river: Long Lake diversion.....	1,267,974.33	
Rural power districts.....	602,412.91	
	<u>\$40,882,626.24</u>	
Less: Grants-in-aid of construction:		
Province of Ontario—for rural power districts.....	296,969.74	
	<u>—————</u>	\$40,585,656.50

## CURRENT ASSETS:

Employees' working funds.....	\$4,925.00	
The Hydro-Electric Power Commission of Ontario—Current account.....	1,742,010.12	
Sundry accounts receivable.....	268,103.55	
Power accounts receivable.....	454,040.11	
Interest accrued.....	15,234.38	
Consumers' deposits—securities:		
Bonds at par value.....	\$692,500.00	
Stocks at market value.....	18,250.00	
	<u>710,750.00</u>	
Prepayments.....	29,619.85	
	<u>—————</u>	3,224,683.01

## INVENTORIES:

Maintenance materials and supplies.....	\$115,719.95	
Maintenance tools and equipment.....	73,965.08	
	<u>—————</u>	189,685.03

UNAMORTIZED DISCOUNT ON DEBENTURES..... 342,653.33

SINKING FUND INVESTMENTS..... 1,620,816.23

\$45,963,494.10

## PROPERTIES

Commission of Ontario in Trust for the Province of Ontario

October 31, 1940

### LIABILITIES AND RESERVES

#### LONG TERM LIABILITIES:

Funded debt in the hands of the public . . . . .	\$29,560,000.00	
Advances from the Province of Ontario for capital expenditures . . . . .	6,105,693.40	
		<u>\$35,665,693.40</u>

#### CURRENT LIABILITIES:

Power accounts—credit balances . . . . .	\$1,734.65	
Consumers' deposits . . . . .	768,534.49	
Debenture interest accrued . . . . .	108,783.32	
Miscellaneous accruals . . . . .	1,865.73	
		<u>880,918.19</u>

#### RESERVES:

Renewals . . . . .	\$2,346,438.19	
Contingencies and obsolescence . . . . .	792,283.48	
Miscellaneous . . . . .	316,970.48	
		<u>3,455,692.15</u>

#### SINKING FUND RESERVES:

##### Represented by:

Provincial advances repaid through sinking funds . . . . .	\$2,151,418.07	
Available balance . . . . .	3,202,099.80	
		<u>5,353,517.87</u>

SURPLUS . . . . .	607,672.49	
		<u><u>\$45,963,494.10</u></u>

### Auditors' Certificate

We have examined the Accounts of the Northern Ontario Properties for the year ended the 31st October, 1940, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the affairs of Northern Ontario Properties at the 31st October, 1940, according to the best of our information and the explanations given to us and as shown by the books and records of the Properties. We have obtained all the information and explanations we have required.

OSCAR HUDSON AND CO.,

Dated at Toronto, Ontario,  
31st March, 1941.

Chartered Accountants,  
Auditors.

<sup>87</sup>  
**NORTHERN ONTARIO**

**EMBRACING THE NIPISSING, SUDBURY, ABITIBI,  
NORTHERN RURAL POWER DISTRICTS,  
Held and Operated by the Hydro-Electric  
In Trust for the**

**Operating Account for the**

**COST OF OPERATION**

Power purchased.....	\$ 12,673.06
Operating, maintenance and administrative expenses.....	919,750.19
Interest.....	1,493,671.23
Provision for renewals.....	325,420.82
Provision for contingencies and obsolescence.....	199,465.99
Provision for sinking fund.....	1,076,817.06
Total cost.....	<u>\$ 4,027,798.35</u>
Net income for year.....	<u>1,038,395.47</u>
	<u><u>\$ 5,066,193.82</u></u>



## PROPERTIES

### PATRICIA-ST. JOSEPH DISTRICTS, AND LONG LAKE DIVERSION

Power Commission of Ontario  
Province of Ontario

Year Ended October 31, 1940

### REVENUE

Power sold to private companies and customers.....\$ 5,066,193.82

\$ 5,066,193.82

### Surplus Account—as at October 31, 1940

Deficits to October 31, 1937.....	\$ 453,656.61	
Add: Interest to October 31, 1938, on amounts advanced by Province of Ontario for operating deficits.....	107,761.71	
	<u>\$ 561,418.32</u>	
Balance of Advances from Province of Ontario for operating deficits with interest thereon to October 31, 1939.....	\$ 275,923.95	
Add: Interest due to February 29, 1940.....	2,744.04	
	<u>\$ 278,667.99</u>	
Less: Repayment February 29, 1940.....	278,667.99	
	<u><u>\$ 108,418.40</u></u>	
Net income for the year ended October 31, 1938.....		\$ 108,418.40
Net income for the year ended October 31, 1939.....		379,302.95
Net income for the year ended October 31, 1940.....		1,038,395.47
Rural Power Districts—surplus to October 31, 1939.....		24,315.79
Nipissing district surplus transferred to reserves.....	\$ 381,341.80	
Balance at credit October 31, 1940.....	607,672.49	
	<u><u>\$1,550,432.61</u></u>	<u><u>\$1,550,432.61</u></u>

## NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario  
in Trust for the Province of Ontario

Fixed Assets—October 31, 1940

District and property	Net capital expenditures in the year	Fixed Assets				
		Under construction	In service			Total
			Water rights and intangible items	Physical property		
				Non-renewable	Renewable	
NIPISSING:	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Power Plants:						
South river:						
Nipissing.....	2,252.61			11,089.60	240,456.47	251,546.07
Bingham Chute.....	7,185.20			12,093.60	235,047.32	247,140.92
Elliot Chute.....	45.71			119,307.09	335,493.82	454,800.91
Storage Dams.....					76,122.70	76,122.70
Miscellaneous.....	6,004.32				386.14	386.14
Intangible.....			69,478.34			69,478.34
	1,026.02		69,478.34	142,490.29	887,506.45	1,099,475.08
Transformer Stations.....	3,896.13				27,659.70	27,659.70
Transmission Lines.....	2,240.76	2,967.50			208,604.56	211,572.06
Local Systems.....	365,416.20		2,219.65		33,820.70	36,040.35
	368,097.59	2,967.50	71,697.99	142,490.29	1,157,591.41	1,374,747.19
SUDBURY:						
Power Plants:						
Wanapitei river:						
Coniston.....	55,477.16	3,749.60		13,200.00	726,596.70	743,546.30
McVitties.....	5,381.39	1,291.25		13,323.00	387,144.70	401,758.95
Stinson.....	797.69	744.17		33,000.00	641,886.51	675,630.68
Storage dam.....				25.00	194,870.00	194,895.00
Intangible.....			830,514.53			830,514.53
Sturgeon river:						
Crystal Falls and Storage Dam.....	60,502.32			44,056.02	846,566.43	890,622.45
	111,395.78	5,785.02	830,514.53	103,604.02	2,797,064.34	3,736,967.91
Transformer Stations.....	20,103.38	20,281.87			110,187.38	130,469.25
Transmission Lines.....	8,693.96	6,997.19			444,731.84	451,729.03
	140,193.12	33,064.08	830,514.53	103,604.02	3,351,983.56	4,319,166.19
ABITIBI:						
Power Plants:						
Abitibi river:						
Abitibi Canyon.....	28,228.33	171.52	185,408.80	5,373,977.93	14,057,433.05	19,616,991.30
Frederick House Dam.....	43,825.15	12,479.96		360,435.95	680,976.03	1,053,891.94
	72,053.48	12,651.48	185,408.80	5,734,413.88	14,738,409.08	20,670,883.24
Transformer Stations.....	242,943.88	30,958.29		215,856.69	1,806,175.45	2,052,990.43
Transmission Lines.....	6,990.66	6,751.69		827,390.37	5,291,727.05	6,125,869.11
Local Systems.....	6,553.25				82,958.71	82,958.71
	184,434.31	50,361.46	185,408.80	6,777,660.94	21,919,270.29	28,932,701.49

## NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario  
in Trust for the Province of Ontario  
Fixed Assets—October 31, 1940

District and property	Net capital expenditures in the year	Fixed Assets				Total
		Under construction	In service			
			Water rights and intangible items	Physical property		
				Non-renewable	Renewable	
PATRICIA-ST. JOSEPH:	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Power Plants:						
English river:						
Ear Falls .....	185,571.24			1,811,084.53		1,811,084.53
Albany river:						
Rat Rapids .....	485.23			674,105.04		674,105.04
Donation in aid of construction .....				80,000.00		80,000.00
	185,086.01			2,405,189.57		2,405,189.57
Transformer Stations .....	11,467.97	48.07		154,975.73		155,023.80
Transmission Lines .....	225,023.80	8,163.08		1,778,917.26		1,787,080.34
Local Systems .....	5,904.93	1,637.43		36,692.99		38,330.42
	427,482.71	9,848.58		4,375,775.55		4,385,624.13
KENOGAMI RIVER:						
Long Lake Diversion .....	7,365.69	5,180.22		1,262,794.11		1,267,974.33
NORTHERN ONTARIO PROPERTIES						
RURAL POWER DISTRICTS:						
Transformer Stations .....	758.42				6,344.52	6,344.52
H-E.P.C. Investments .....	119,537.94	264.02			298,834.63	299,098.65
Government Grants .....	119,537.95	264.02			296,705.72	296,969.74
	239,834.31	528.04			601,884.87	602,412.91

## SUMMARY

District	Net capital expenditures in the year	Fixed Assets					Total
		Under construction	In service				
			Water rights and intangible items	Physical property			
				Non-renewable	Renewable		
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Nipissing district.....	368,097.59	2,967.50	71,697.99	142,490.29	1,157,591.41	1,374,747.19	
Sudbury district.....	140,193.12	33,064.08	830,514.53	103,604.02	3,351,983.56	4,319,166.19	
Abitibi district.....	184,434.31	50,361.46	185,408.80	6,777,660.94	21,919,270.29	28,932,701.49	
Patricia district.....	427,482.71	9,848.58	.....	4,375,775.55	.....	4,385,624.13	
Kenogami river—Long Lake diversion	7,365.69	5,180.22	.....	1,262,794.11	.....	1,267,974.33	
Rural power districts.....	239,834.31	528.04	.....	.....	239,306.27	239,834.31	
Rural power districts transferred from H-E.P.C.....	362,578.60	.....	.....	.....	362,578.60	362,578.60	
	993,791.15	101,949.88	1,087,621.32	12,662,324.91	27,030,730.13	40,882,626.24	
Less Grants in aid of construction:							
Province of Ontario for rural power districts.....	119,537.95	264.02	.....	.....	119,273.93	119,537.95	
Transferred from H-E.P.C. as at October 31, 1939.....	177,431.79	.....	.....	.....	177,431.79	177,431.79	
	696,821.41	101,685.86	1,087,621.32	12,662,324.91	26,734,024.41	40,585,656.50	



## NORTHERN ONTARIO PROPERTIES

Embracing the Nipissing, Sudbury, Abitibi, Patricia-St. Joseph  
and Rural Power Districts

Held and Operated by The Hydro-Electric Power Commission of Ontario  
In Trust for the Province of Ontario

## Renewals Reserve—October 31, 1940

Balance at November 1, 1939.....	\$2,128,303.65	
Deduct—Adjustments to October 31, 1939.....	17,255.03	
		\$ 2,111,048.62
Transferred from H-E.P.C.....	\$ 20,362.24	
Provision in the year.....	325,420.82	
Interest at 4% on reserve balance.....	82,323.35	
Adjustments re transfer of equipment.....	254.56	
		428,360.97
		\$ 2,539,409.59
Deduct—Adjustments during the year.....	\$ 4,668.76	
Allowance to North Bay re sale of local system.....	176,844.17	
		181,512.93
Sub-total.....		\$ 2,357,896.66
Expenditures in the year.....		11,458.47
Balance at October 31, 1940.....		\$2,346,438.19

## Contingencies and Obsolescence Reserve—October 31, 1940

Balance at November 1, 1939.....	\$ 756,160.79	
Deduct—Adjustments to October 31, 1939.....	71,260.43	
		\$ 684,900.36
Transferred from H-E.P.C.....	\$ 4,337.72	
Provision in the year.....	199,465.99	
Interest at 4% on reserve balance.....	27,336.60	
		231,140.31
		\$ 916,040.67
Contingencies met with during year.....		123,757.19
Balance at October 31, 1940.....		\$ 792,283.48

## Sinking Fund Reserve—October 31, 1940

Balance at November 1, 1939.....	\$ 3,922,904.45	
Adjustments to October 31, 1939.....	182,006.53	
		\$ 4,104,910.98
Transferred from H-E.P.C.....	\$ 7,301.33	
Provision in the year.....	1,076,817.06	
Interest at 4% on reserve balance.....	164,488.50	
		1,248,606.89
Balance at October 31, 1940.....		\$ 5,353,517.87

**THE HAMILTON STREET RAILWAY COMPANY**

**(A Subsidiary of The Hydro-Electric Power Commission of Ontario—  
Niagara System)**

**FINANCIAL ACCOUNTS**

**For the Year ended October 31, 1940**

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**Balance Sheet as at October 31, 1940**

**Operating and Income Accounts for the Year ended October 31, 1940**

## THE HAMILTON STREET

(A Subsidiary of The Hydro-Electric Power

Balance Sheet as at

## ASSETS

## FIXED ASSETS:

Properties, road and equipment, buses, franchise, etc..... \$4,113,890.13

## CURRENT ASSETS:

Cash in bank.....	\$110,159.15	
Conductors' and employees' advances.....	12,000.00	
Accounts receivable.....	2,702.80	
Interest accrued.....	300.00	
Prepayments.....	5,863.30	
		<hr/>
		131,025.25

MATERIALS AND SUPPLIES..... 47,734.62

## DEFERRED ASSETS:

Work in progress..... 127.63

RESERVE FUNDS—INVESTMENTS..... 267,921.25

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\$4,560,698.88

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## RAILWAY COMPANY

Commission of Ontario—Niagara System)

October 31, 1940

## LIABILITIES

## CAPITAL STOCK:

Authorized—80,000 shares at a par value of \$50.00 each.....	\$4,000,000.00	
Issued —64,100 shares at a par value of \$50.00 each.....		\$3,205,000.00

## CURRENT LIABILITIES:

Customer's deposit.....	\$30.00	
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## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO:

Current account.....	27,112.86	27,142.86
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## RESERVES:

Depreciation—road and equipment.....	\$1,208,259.92	
Insurance.....	72,023.26	
Miscellaneous.....	39,101.43	
		1,319,384.61

SURPLUS.....	9,171.41	
		<u>\$4,560,698.83</u>

## Auditors' Certificate

We have examined the Accounts of The Hamilton Street Railway Company for the year ended the 31st October, 1940, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the Company's affairs at the 31st October, 1940, according to the best of our information and the explanations given to us and as shown by the books of the Company. We have obtained all the information and explanations we have required.

OSCAR HUDSON AND CO.,

Chartered Accountants,

Auditors.

Dated at Toronto, Ontario,  
31st March, 1941.

## THE HAMILTON STREET RAILWAY COMPANY

(A Subsidiary of The Hydro-Electric Power Commission of Ontario—Niagara System)  
Operating Statement for the Year Ended October 31, 1940

	Tramways	Buses	Total
	\$ c.	\$ c.	\$ c.
REVENUES:			
Transportation.....	897,080.77	283,621.97	1,180,702.74
Other operations.....	11,363.13	641.42	12,004.55
	908,443.90	284,263.39	1,192,707.29
EXPENSES:			
Maintenance of way and structures.....	65,211.73		65,211.73
Maintenance of equipment.....	71,087.13	38,820.97	109,908.10
Power purchased.....	92,253.34		92,253.34
Transportation expenses.....	246,044.07	137,124.79	383,168.86
Traffic expenses.....	63.67		63.67
General and miscellaneous expenses.....	75,134.08	13,484.07	88,618.15
Depreciation provision.....	200,000.00	11,930.00	211,930.00
Taxes (municipal and franchise).....	58,496.15	13,316.68	71,812.83
	808,290.17	214,676.51	1,022,966.68
NET REVENUE FOR YEAR.....	100,153.73	69,586.88	169,740.61

## Surplus Account—as at October 31, 1940

	\$ c.	\$ c.
Balance at credit October 31, 1939.....		13,281.66
Transfer from miscellaneous reserves.....		3,376.80
Net revenue for year ended October 31, 1940.....		169,740.61
Income from investments—reserve funds.....		4,548.85
Appropriation for renewals reserve.....	3,032.57	
Appropriation for insurance reserve.....	1,516.28	
Dividend.....	177,227.66	
Balance at credit October 31, 1940.....	9,171.41	
	190,947.92	190,947.92

## SECTION X

### MUNICIPAL ACCOUNTS

and

#### Statistical Data Relating to Hydro-Electric Distribution Systems Operated by Individual Municipalities Served by The Hydro-Electric Power Commission of Ontario

The Municipal Accounts section of this report presents in summary, and individually, the results of the operation of the local electrical utilities in municipalities owning their own distributing systems and operating with energy supplied by or through The Hydro-Electric Power Commission.

Financial statements prepared from the books of these "Hydro" utilities are submitted herein to show how each has operated during the past year, and its financial status at the present time. Other tables give useful statistical information respecting average costs for the various classes of service and the rates in force.

The books of account of the electrical utilities in all municipalities which have contracted with The Hydro-Electric Power Commission of Ontario for a supply of power are kept in accordance with an accounting system designed by the Commission. During the year 1940 this standard method of accounting was installed in Iroquois and North Bay.

Periodical inspections are made of the books of all "Hydro" electrical utilities and local officials are assisted in the improvement of their office routine with a view to standardizing, as far as possible, the methods employed. In the majority of the smaller municipalities much of the book-keeping for the electrical utilities is performed by representatives of the municipal accounting department of the Commission as a measure of economy. This arrangement insures the correct application of the standard accounting system, with resultant uniformity in classification of revenues and expenditures; secures true reflections of the actual operating results for the year, and greatly enhances the comparative values of the reports.

The first financial statement in this section presents consolidated balance sheets for each year since 1913, and thus shows the march of progress. It combines the balance sheets of the local municipal utilities of all the systems. It is worth noting that the total plant value has increased from \$10,081,469.16



in 1913 to \$97,914,199.95 in 1940, and the total assets from \$11,907,826.86 to \$172,584,735.09. The liabilities have not increased in the same proportion as the assets, rising from \$10,468,351.79 to a maximum of \$52,685,316.86 in 1932, and receding to \$26,923,638.58 in 1940. The reasons for this are the regular fulfilment of debt retirement schedules under serial debenture provisions or by maturity of sinking funds, and also the fact that much of the cost of the increasing plant value has been financed out of reserves and surplus without increasing the capital liabilities of the respective utilities. By this procedure the funds of the systems are used to best advantage. Examination of the results will also show that there is a steady decline in the percentage of net liabilities to total assets; being from 88.0 per cent in 1913 to 17.4 per cent in 1940. The equities in The Hydro-Electric Power Commission's systems automatically acquired through the inclusion of sinking funds as part of the cost of power are not taken into account in arriving at these percentages.

The second financial statement presents consolidated operating reports for each year since "Hydro" service was inaugurated and combines the results from the local municipal utilities of all the systems. After providing for every cost of operation and fixed charges, including the standard provision for depreciation, the combined operating reports show a net surplus of \$1,655,300.24 for 1940. (See also diagrams in Foreword to Report.)

The five statements, "A" to "E", following the two consolidated reports show the financial status of each municipal utility and the results of operations, giving classified information respecting revenue, operating costs, number of consumers and consumption, cost of power to municipalities, power and lighting rates charged to consumers, etc. In statements "A" and "B", the municipalities are arranged alphabetically under each system; in statement "D" the municipalities are arranged in three groups—cities, towns and small municipalities; in statements "C" and "E" all municipalities are arranged alphabetically.

**Statement "A"** presents the balance sheet of each electrical utility. The plant values are shown under the general subdivisions specified in the standard accounting system and the other items on the positive side of the ledger which are included in total assets are self-explanatory with the exception, perhaps, of the item entitled "equity in H-E.P.C. systems." The sinking fund portion of the cost paid year by year to the Commission for power is for the purpose of ultimately retiring the capital liabilities incurred by the Commission on behalf of the municipalities. A municipality's aggregate equity in the Commission's systems at any time is the total of the sinking fund payments that have been credited to it, together with interest. The total sinking fund equity acquired by these municipalities to the end of 1940 is shown in the consolidated balance sheet to be \$52,457,676.76.

In conformity with a policy of service at cost to the customer, refunds by cash or credit are made during the year in many municipalities from surplus funds accrued to the credit of municipal services, such as street lighting, water works, sewage disposal, etc., and to individual customers. The amounts of the accumulated surplus rebated equalled, in different municipalities, from five per cent to twenty per cent of the previous year's revenue. The total thus returned to customers during the year 1940 amounted in round figures to \$337,000.00.

In each case the balance sheet includes the credit or charge representing the difference between the monthly payments for power at interim rates and the cost of power as ascertained by the Commission upon annual adjustment.

The reserves for depreciation, and the acquired equity in The Hydro-Electric Power Commission's systems, are listed individually and totalled; and under the heading "surplus" are included not only the free operating surplus but the accumulation of sinking fund applicable to debenture debt and also the amount of debentures already retired out of revenue.

The depreciation reserve now amounts to 28.5 per cent of the total depreciable plant, while the depreciation reserve and surplus combined have already reached the sum of \$89,876,828.10, approximately 91.8 per cent of the total plant cost.

**Statement "B"** shows detailed operating reports for each municipal electrical utility. It gives annual revenues from the various classes of consumers; the items of expenditure which make up the total annual expenditure and the sums set aside for depreciation. The population served by each local utility and the number of consumers of each class are also shown.

The item "purchased power" in this statement includes the debit or credit balances ascertained by the annual adjustment of the cost of power supplied to the municipalities by the Commission.

Of the 295 municipal electric utilities included in this statement, 244 received from consumers revenue sufficient to meet in full all operating expenses, interest, debt retirement instalments, and standard depreciation reserve allocation and to yield an aggregate net surplus of \$1,768,767.53 for the year; 41 were able to defray out of revenue all such charges except a portion of the standard depreciation allocation aggregating \$54,953.21, in the case of 10 utilities the revenue was less than the total operating expenses, interest and debt retirement instalments by \$8,924.15.

**Statement "C"** shows the installation of street lights in each municipality together with the rates approved by this Commission, the revenue for 1940, and the cost per capita in each municipality.

**Statement "D"** presents statistics relating to the supply of electrical energy to consumers in Ontario municipalities served by the Commission. It shows the revenue, kilowatt-hour consumption, number of consumers, average monthly consumption, average monthly bill and the net average cost per kilowatt-hour both for domestic and for commercial light service in each municipality. For power service this statement shows the revenue, the number of consumers and the average horsepower supplied by the municipal utility.\* For further reference to this informative statement, consult the special introduction to it on page 326.

**Statement "E"** presents the cost per horsepower of the power provided for and delivered to the municipalities by the Commission, and the local rates to consumers in force in the respective municipalities, during the year 1940, for domestic service, for commercial light service and for power service.

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\*The statistics include retail power only. Wholesale industrial power as supplied by the Commission direct, is reported in Section IX.



## CONSOLIDATED

YEAR .....	1913	1914	1915
Number of municipalities included .....	45	69	99
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings .....	626,707.34	791,732.20	873,838.18
Substation equipment .....	1,090,875.69	1,476,087.84	1,582,062.56
Distribution system—overhead ..	2,690,834.74	3,422,763.93	4,234,626.05
Distribution system—underground ..	644,514.24	807,153.53	928,420.77
Line transformers .....	615,546.20	787,613.52	981,754.70
Meters .....	840,606.64	1,172,475.11	1,418,165.08
Street lighting equipment—regular ..	900,614.80	1,071,255.37	1,309,628.49
Street lighting equipment—ornamental.	62,765.34	270,386.55	197,644.82
Miscellaneous construction expenses ..	866,551.89	2,062,035.90	1,701,182.66
Steam or hydraulic plant .....	1,401,175.28	420,108.33	461,651.60
Old plant .....	341,277.00	619,513.12	1,184,372.86
Total plant .....	10,081,469.16	12,901,125.40	14,873,347.77
Bank and cash balance .....	450,887.97	422,350.12	284,653.96
Securities and investments .....			
Accounts receivable .....	344,487.95	561,873.08	602,920.69
Inventories .....	540,274.58	615,226.76	726,556.76
Sinking fund on local debentures .....	431,747.27	625,217.03	868,983.78
Equity in H-E.P.C. systems .....			
Other assets .....	58,959.93	123,410.97	326,801.11
Total assets .....	11,907,826.86	15,249,203.36	17,683,264.07
<b>LIABILITIES</b>			
Debenture balance .....	8,711,308.37	10,678,078.36	11,831,811.03
Accounts payable .....	1,553,711.45	1,682,150.29	2,040,038.01
Bank overdraft .....	160,919.16	228,622.50	292,106.44
Other liabilities .....	42,412.81	113,838.66	37,388.31
Total liabilities .....	10,468,351.79	12,702,689.81	14,201,343.79
<b>RESERVES</b>			
For equity in H-E.P.C. systems .....			
For depreciation .....	478,145.88	850,618.07	1,337,739.73
Other reserves .....			
Total reserves .....	478,145.88	850,618.07	1,337,739.73
<b>SURPLUS</b>			
Debentures paid .....	202,751.26	320,129.10	394,466.22
Local sinking fund .....	431,747.27	625,217.03	868,983.78
Operating surplus .....	326,830.66	750,549.35	880,730.55
Total surplus .....	961,329.19	1,695,895.48	2,144,180.55
Total liabilities, reserves and surplus ..	11,907,826.86	15,249,203.36	17,683,264.07
Percentage of net debt to total assets ...	88.0	88.3	80.3

NOTE—In computing the “percentage of net debt to total assets” the ornamental street lighting capital, sinking fund on local debentures, and equity in H-E.P.C. systems, are excluded



## BALANCE SHEET

1916	1917	1918	1919	1920	1921
128	143	166	191	195	215
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,335,936.33	1,546,241.41	1,859,888.69	1,995,545.83	2,175,568.24	3,230,985.63
1,934,626.12	2,471,293.82	2,820,488.70	2,915,125.56	3,231,050.80	5,403,689.90
4,832,353.27	6,090,073.42	6,627,237.39	7,445,820.31	8,579,881.49	8,397,361.48
1,095,709.62	1,157,059.90	1,216,288.59	1,206,296.88	1,313,369.29	1,401,135.97
1,179,132.07	1,483,839.44	1,772,691.35	2,073,113.45	2,560,581.59	3,077,649.83
1,711,299.49	1,999,095.48	2,238,143.70	2,587,566.32	3,053,135.20	3,552,076.79
1,251,057.13	1,237,734.69	1,200,625.65	1,206,638.71	1,269,006.98	1,335,997.13
306,388.95	361,975.74	531,502.61	546,497.68	557,678.13	610,586.70
2,059,263.42	2,184,015.84	2,395,096.50	2,530,101.08	2,697,636.12	3,030,134.16
864,500.01	896,753.20	214,575.75	986,200.57	757,194.47	704,848.46
759,748.66	649,852.51	1,476,413.00	805,959.89	864,298.39	912,388.55
17,330,015.07	20,077,935.45	22,352,951.93	24,298,866.28	27,059,400.70	31,656,854.60
1,061,029.90	340,026.50	391,194.91	462,437.23	943,858.12	900,842.34
695,152.23	1,285,097.33	1,124,018.44	627,076.53	341,855.88	477,678.69
764,504.59	1,261,398.36	972,996.96	1,921,166.69	2,022,538.88	2,155,788.62
1,166,017.73	1,337,578.96	1,663,298.05	1,032,569.75	1,400,671.89	1,504,596.28
342,215.87	125,240.05	444,787.63	1,925,455.77	2,244,004.34	2,541,718.35
21,358,935.39	24,427,276.65	26,949,247.92	369,071.89	577,584.06	795,570.51
			86,216.05	25,447.07	78,929.84
15,058,641.57	15,593,773.61	17,209,217.70	30,722,860.19	34,615,360.94	40,111,979.23
969,187.75	1,537,669.11	1,007,727.79			
178,413.26	886,177.94	576,816.49	18,133,462.44	19,268,072.04	21,619,220.99
491,874.90	429,104.20	350,013.21	1,420,926.66	1,840,137.54	1,887,567.93
16,698,117.48	18,446,724.86	19,143,775.19	403,235.57	514,671.99	989,099.98
			670,271.90	642,293.65	938,368.84
1,843,804.68	2,463,723.83	3,133,550.17	373,871.89	577,584.06	800,249.05
			3,750,162.28	4,788,645.03	5,491,858.93
1,843,804.68	2,463,723.83	3,133,550.17	4,124,034.17	5,366,229.09	6,292,107.98
549,778.59	694,797.90	920,076.56			
1,165,785.94	1,340,615.38	1,662,602.69	1,328,657.68	1,440,156.52	1,860,079.53
1,101,448.70	1,481,414.68	2,089,243.31	1,754,020.37	2,246,474.47	2,541,718.35
2,817,013.23	3,516,827.96	4,671,922.56	2,888,251.40	3,297,325.64	3,983,815.63
21,358,935.39	24,427,276.65	26,949,247.92	5,970,929.45	6,983,956.63	8,385,613.51
78.4	75.5	71.0	67.9	65.4	64.7

from assets and the total liabilities are reduced by the amount of the local sinking fund reserve, and the liability in respect to the ornamental street lighting capital, which amount is included in other liabilities.

## CONSOLIDATED

YEAR.....	1922	1923	1924
Number of municipalities included.....	226	235	248
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....	3,334,522.68	4,488,054.93	4,561,648.92
Substation equipment.....	5,046,857.98	6,015,919.75	6,800,238.00
Distribution system—overhead.....	11,165,330.24	13,135,581.76	14,182,190.33
Distribution system—underground.....	1,598,053.02	1,959,120.41	2,873,446.13
Line transformers.....	3,618,684.73	4,211,655.89	4,456,669.02
Meters.....	4,033,689.52	4,548,933.73	5,149,629.71
Street lighting equipment—regular.....	1,419,016.05	1,061,473.85	1,134,491.77
Street lighting equipment—ornamental.....	666,084.50	708,431.22	728,298.08
Miscellaneous construction expenses.....	3,261,495.74	3,681,274.88	4,168,262.21
Steam or hydraulic plant.....	565,158.54	566,619.86	4,196,803.45
Old plant.....	7,997,947.87	8,051,496.28	5,587,420.31
Total plant.....	42,706,840.87	48,428,562.56	53,839,097.93
Bank and cash balance.....	1,164,336.24	1,276,140.06	1,748,912.34
Securities and investments.....	443,938.18	1,153,424.47	1,329,622.58
Accounts receivable.....	3,874,317.14	3,198,769.34	3,898,751.89
Inventories.....	1,738,795.96	1,819,711.62	1,745,628.16
Sinking fund on local debentures.....	3,416,231.45	3,896,261.28	4,520,723.06
Equity in H-E.P.C. systems.....	1,543,434.12	2,929,603.94	5,420,567.58
Other assets.....	238,940.13	190,071.63	250,292.77
Total assets.....	55,126,834.09	62,892,544.90	72,753,596.31
<b>LIABILITIES</b>			
Debenture balance.....	30,454,186.12	33,056,501.29	38,005,162.50
Accounts payable.....	3,699,292.52	3,708,781.76	3,117,224.08
Bank overdraft.....	456,706.69	680,714.59	162,100.71
Other liabilities.....	586,203.02	1,517,828.47	1,780,564.27
Total liabilities.....	35,196,388.35	38,963,826.11	43,065,051.56
<b>RESERVES</b>			
For equity in H-E.P.C. systems.....	1,543,434.12	2,929,603.94	5,420,567.58
For depreciation.....	6,512,813.92	7,328,858.69	8,097,834.68
Other reserves.....			
Total reserves.....	8,056,248.04	10,258,462.63	13,518,402.26
<b>SURPLUS</b>			
Debentures paid.....	3,104,591.15	2,852,038.38	3,530,610.35
Local sinking fund.....	3,416,231.45	3,896,261.28	4,520,723.06
Operating surplus.....	5,353,375.10	6,921,956.50	8,118,809.08
Total surplus.....	11,874,197.70	13,670,256.16	16,170,142.49
Total liabilities, reserves and surplus.....	55,126,834.09	62,892,544.90	72,753,596.31
Percentage of net debt to total assets.....	63.3	62.6	61.4

## BALANCE SHEET—Continued

1925	1926	1927	1928	1929
247	251	252	256	260
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
5,768,855.99	6,111,162.54	6,486,426.89	7,024,646.76	7,469,451.46
8,543,166.55	9,505,501.77	15,088,905.14	16,866,186.21	18,102,792.13
16,837,535.57	18,654,240.54	16,689,462.41	17,688,050.68	18,108,016.82
3,388,837.09	3,689,569.95	3,278,382.58	3,559,288.16	4,823,369.60
5,079,754.23	5,538,605.24	5,985,521.37	6,549,674.64	7,312,742.17
5,533,483.92	5,963,162.51	6,346,660.59	6,839,802.90	7,405,478.91
1,256,916.53	1,309,608.30	1,399,314.06	1,486,646.24	1,594,183.25
893,186.48	1,103,660.23	1,184,035.82	1,203,706.65	1,458,349.64
4,485,110.96	3,456,777.71	3,360,671.09	3,394,626.92	3,483,487.78
568,912.49 <sup>a</sup>	628,909.57	607,320.00	619,880.93	489,097.67
4,549,142.46 <sup>a</sup>	4,655,422.59	5,095,555.90	5,032,089.26	5,093,378.75
56,904,902.27	60,616,620.95	65,522,255.85	70,264,599.35	75,340,348.08
1,700,145.30	2,136,290.79	3,014,832.48	1,342,367.07	858,733.68
1,095,662.92	1,400,316.43	1,696,237.66	1,837,140.51	2,001,088.81
3,417,558.86	3,508,817.87	3,715,770.72	4,097,446.13	4,683,201.97
1,711,504.13	1,397,667.83	1,412,729.41	1,220,186.10	1,365,033.58
5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69	7,753,613.88
7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56	14,754,865.40
137,280.05	33,151.81	31,942.45	153,275.04	152,260.86
77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45	106,909,146.26
37,919,225.01	39,602,533.48	42,891,361.57	42,597,175.78	42,930,127.74
3,139,067.92	3,118,684.78	2,988,621.90	3,074,634.25	3,132,145.03
226,147.82	163,725.53	252,362.52	253,143.81	412,056.69
1,075,914.83	1,087,795.08	1,154,810.24	1,258,610.23	1,621,378.17
42,360,355.58	43,972,738.87	47,287,156.23	47,183,564.07	48,095,707.63
7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56	14,754,865.40
8,699,437.68	9,360,322.27	10,319,889.05	11,140,795.68	11,911,154.49
1,157,147.20	947,970.23	1,002,916.69	1,117,257.63	1,437,371.26
17,408,173.58	18,355,161.03	21,466,011.40	24,584,150.87	28,103,391.15
4,440,138.34	5,493,879.83	6,648,767.38	7,928,907.61	9,194,253.59
5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69	7,962,121.20
8,309,974.73	9,317,954.48	10,135,039.22	11,544,489.21	13,553,672.69
17,952,564.77	20,411,509.32	23,182,716.37	26,544,670.51	30,710,047.48
77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45	106,909,146.26
57.2	55.5	54.2	50.8	47.8



## CONSOLIDATED

YEAR .....	1930	1931	1932
Number of municipalities included .....	267	275	280
<b>ASSETS</b>			
	\$ c.	\$ c.	\$ c.
Lands and buildings .....	7,936,974.31	8,407,664.48	9,503,743.78
Substation equipment .....	19,485,056.28	21,013,956.74	22,288,781.68
Distribution system—overhead .....	19,220,326.48	19,918,355.76	20,866,767.32
Distribution system—underground .....	4,932,189.05	5,361,627.24	5,820,056.75
Line transformers .....	7,953,090.23	8,649,875.07	9,392,662.62
Meters .....	7,840,948.07	8,106,202.88	8,403,251.67
Street lighting equipment—regular .....	1,780,785.67	2,205,613.18	2,257,618.20
Street lighting equipment—ornamental .....	1,520,891.01	1,456,742.91	1,545,354.93
Miscellaneous construction expenses .....	3,996,747.77	3,827,132.05	4,120,926.11
Steam or hydraulic plant .....	139,587.28	458,374.05	498,231.69
Old plant .....	5,322,690.14	7,146,437.96	4,989,654.97
Other plants not distributed .....			200,000.00
Total plant .....	80,129,286.29	86,551,982.32	89,887,049.72
Bank and cash balance .....	2,722,250.12	2,738,319.67	3,185,442.00
Securities and investments .....	1,909,439.11	1,999,846.42	2,059,325.10
Accounts receivable .....	4,481,006.92	3,957,972.78	3,683,059.42
Inventories .....	1,242,994.51	1,276,531.01	1,232,209.52
Sinking fund on local debentures .....	8,396,255.47	8,735,050.84	9,099,210.61
Equity in H-E.P.C. systems .....	17,346,372.44	20,103,275.76	23,066,129.81
Other assets .....	173,030.05	174,879.28	163,637.79
Total assets .....	116,400,634.91	125,537,858.08	132,376,063.97
<b>LIABILITIES</b>			
Debenture balance .....	45,091,808.06	44,594,400.03	45,133,305.97
Accounts payable .....	3,001,186.21	5,382,306.13	3,512,724.58
Bank overdraft .....	405,663.14	312,575.54	298,910.20
Other liabilities .....	1,642,771.59	1,909,986.13	3,740,376.11
Total liabilities .....	50,141,429.00	52,199,267.83	52,685,316.86
<b>RESERVES</b>			
For equity in H-E.P.C. systems .....	17,346,372.44	20,103,275.76	23,066,129.81
For depreciation .....	12,885,387.51	13,748,049.68	14,902,177.02
Other reserves .....	1,574,655.74	1,693,129.83	1,902,308.64
Total reserves .....	31,806,415.69	35,544,455.27	39,870,615.47
<b>SURPLUS</b>			
Debentures paid .....	10,728,279.15	13,150,040.37	15,244,778.28
Local sinking fund .....	8,396,255.47	8,735,050.84	9,099,210.61
Operating surplus .....	15,328,255.60	15,909,043.77	15,476,142.75
Total surplus .....	34,452,790.22	37,794,134.98	39,820,131.64
Total liabilities, reserves and surplus .....	116,400,634.91	125,537,858.08	132,376,063.97
Percentage of net debt to total assets .....	46.0	44.1	43.4

## BALANCE SHEET—Continued

1933	1934	1935	1936	1937
282	282	284	283	287
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
10,186,471.28	10,262,692.98	10,381,191.41	10,528,595.34	10,785,473.59
22,306,800.94	22,327,618.75	22,072,115.14	22,162,208.03	22,900,269.21
21,152,681.20	21,353,725.80	21,650,567.75	22,163,701.17	22,699,652.43
5,945,225.61	6,031,767.74	6,068,724.47	6,070,337.02	6,100,282.76
9,478,605.14	9,635,279.35	9,678,578.13	9,845,939.94	10,128,591.29
8,514,165.03	8,624,504.78	8,767,892.27	9,043,615.65	9,234,773.90
2,381,599.40	2,395,296.48	2,420,238.81	2,527,188.03	2,610,137.97
1,458,443.68	1,464,306.73	1,486,302.46	1,504,596.77	1,508,564.76
4,040,859.74	3,907,359.92	3,616,986.74	4,019,430.59	4,389,592.08
502,978.62	494,932.96	496,050.14	496,186.33	496,186.33
5,016,755.92	4,978,079.44	4,917,917.43	4,876,405.43	4,878,609.01
200,000.00	200,000.00	200,000.00	200,000.00	.....
91,184,586.56	91,675,564.93	91,756,564.75	93,438,204.30	95,732,133.33
1,696,489.24	2,215,914.31	2,927,485.90	3,921,121.28	3,080,864.13
2,163,785.20	2,382,446.41	2,593,633.59	2,924,913.30	4,469,369.04
3,746,910.92	4,001,596.09	4,363,297.95	4,560,713.55	4,240,741.41
1,226,043.30	1,110,705.38	1,212,063.37	1,261,843.81	1,336,527.60
9,386,176.58	9,161,419.77	9,086,152.46	9,535,712.83	10,003,873.93
26,045,679.00	29,274,340.46	32,609,979.83	36,193,874.21	40,032,438.34
253,581.84	289,158.19	301,317.86	203,167.35	186,252.23
135,703,252.64	140,111,145.54	144,850,495.71	152,039,550.63	159,082,200.01
42,606,145.29	39,646,989.68	36,667,080.62	34,485,507.43	32,447,411.68
3,320,485.45	3,149,035.07	2,931,934.14	2,879,497.45	2,912,960.24
206,398.00	143,556.95	72,084.93	25,559.95	34,787.51
3,787,725.14	3,669,008.56	3,462,906.61	3,267,141.59	3,216,028.08
49,920,753.88	46,608,590.26	43,134,006.30	40,657,706.42	38,611,187.51
26,045,679.00	29,274,340.46	32,609,979.83	36,193,874.21	40,032,438.34
16,075,959.28	17,426,809.32	18,410,891.84	19,666,170.18	21,034,164.68
2,048,081.84	2,056,820.81	2,459,074.98	2,763,100.40	2,802,650.84
44,169,720.12	48,757,970.59	53,479,946.65	58,623,144.79	63,869,253.86
17,651,367.71	20,608,129.73	23,481,974.13	26,084,294.84	28,468,539.78
9,386,176.58	9,161,419.77	9,086,152.46	9,535,712.83	10,003,873.93
14,575,234.35	14,975,035.19	15,668,416.17	17,138,691.75	18,129,344.93
41,612,778.64	44,744,584.69	48,236,542.76	52,758,699.42	56,601,758.64
135,703,252.64	140,111,145.54	144,850,495.71	152,039,550.63	159,082,200.01
40.4	35.9	32.0	28.3	25.2

# CONSOLIDATED BALANCE SHEET—Concluded

YEAR.....	1938	1939	1940
Number of municipalities included.....	288	293	295
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....	10,894,019.12	11,030,623.50	11,218,258.69
Substation equipment.....	23,614,597.80	23,780,655.18	24,282,151.78
Distribution system—overhead.....	23,371,092.61	23,925,362.60	24,653,458.44
Distribution system—underground.....	6,134,283.64	6,202,371.87	6,214,957.69
Line transformers.....	10,494,789.40	10,855,346.75	11,030,643.29
Meters.....	9,539,413.66	9,838,600.98	9,927,971.40
Street lighting equipment—regular.....	2,697,047.84	2,798,171.62	2,879,996.65
Street lighting equipment—ornamental.....	1,516,059.81	1,518,035.24	1,534,320.08
Miscellaneous construction expenses.....	4,444,880.40	4,147,280.84	4,341,259.94
Steam or hydraulic plant.....	497,974.74	498,650.81	498,575.87
Old plant.....	4,897,097.67	4,894,655.59	1,332,606.12
Total plant.....	98,101,256.69	99,489,754.98	97,914,199.95
Bank and cash balance.....	3,043,609.87	3,107,087.65	4,462,197.18
Securities and investments.....	4,832,322.57	4,850,531.80	5,315,855.49
Accounts receivable.....	4,106,655.16	4,774,816.58	4,715,848.86
Inventories.....	1,393,158.18	1,496,275.62	1,630,987.28
Sinking fund on local debentures.....	10,397,958.20	11,032,594.44	5,829,573.87
Equity in H-E.P.C. systems.....	44,254,118.64	48,615,296.94	52,457,676.76
Other assets.....	178,534.60	156,520.39	258,395.70
Total assets.....	166,307,613.91	173,522,878.40	172,584,735.09
<b>LIABILITIES</b>			
Debenture balance.....	29,987,512.34	27,962,685.51	20,636,363.20
Accounts payable.....	3,334,802.82	3,100,565.26	3,095,613.25
Bank overdraft.....	108,753.61	180,064.81	187,038.91
Other liabilities.....	3,120,619.84	2,998,174.20	3,004,624.22
Total liabilities.....	36,551,688.61	34,241,489.78	26,923,638.58
<b>RESERVES</b>			
For equity in H-E.P.C. systems.....	44,254,118.64	48,615,296.94	52,457,676.76
For depreciation.....	22,583,476.69	24,046,526.92	25,733,628.33
Other reserves.....	2,814,785.08	3,090,471.34	3,326,591.65
Total reserves.....	69,652,380.41	75,752,295.20	81,517,896.74
<b>SURPLUS</b>			
Debentures paid.....	30,890,189.93	32,866,660.82	37,245,922.84
Local sinking fund.....	10,397,958.20	11,032,594.44	5,829,573.87
Operating surplus.....	18,815,396.76	19,629,838.16	21,067,703.06
Total surplus.....	60,103,544.89	63,529,093.42	64,143,199.77
Total liabilities, reserves and surplus.....	166,307,613.91	173,522,878.40	172,584,735.09
Percentage of net debt to total assets.....	22.4	19.3	17.4



### CONSOLIDATED OPERATING REPORT

YEAR . . . . .	1912	1913	1914	1915
Number of municipalities included	28	45	69	99
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service . . . . .		572,154.38	789,130.81	944,271.08
Commercial light service . . . . .		525,438.16	673,803.92	720,209.26
Commercial power service . . . . .		905,378.17	1,214,829.31	1,501,797.78
Municipal power . . . . .				
Street lighting . . . . .		560,925.56	698,409.71	835,970.87
Rural service . . . . .				
Miscellaneous . . . . .		53,543.24	57,482.41	68,046.29
Total earnings . . . . .	1,617,674.00	2,617,439.51	3,433,656.16	4,070,295.28
<b>EXPENSES</b>				
Power purchased . . . . .		789,632.87	1,045,752.65	1,484,666.00
Substation operation . . . . .		78,394.81	97,658.90	107,607.31
Substation maintenance . . . . .		18,698.46	31,790.99	25,935.56
Distribution system, operation and maintenance . . . . .		104,114.51	130,998.65	154,409.71
Line transformer maintenance . . . . .		8,547.61	11,764.32	11,508.92
Meter maintenance . . . . .		5,222.19	9,536.07	12,899.14
Consumers' premises expenses . . . . .		53,108.38	65,192.23	47,494.26
Street lighting, operation and maintenance . . . . .		84,903.76	113,047.80	136,983.38
Promotion of business . . . . .		72,303.51	86,683.02	74,402.55
Billing and collecting . . . . .		77,351.76	103,560.71	131,541.27
General office, salaries and expenses . . . . .		154,932.69	230,899.75	236,777.86
Undistributed expense . . . . .		65,423.64	89,350.91	129,209.15
Interest . . . . .		528,549.21	662,092.34	817,978.89
Sinking fund and principal payments on debentures . . . . .		*	*	*
Total expenses . . . . .	1,377,168.00	2,041,183.40	2,678,328.34	3,371,414.00
Surplus . . . . .	240,506.00	576,256.11	755,327.82	698,881.28
Depreciation and other reserves . . . . .	124,992.47	262,675.24	357,883.31	414,506.99
Surplus less depreciation . . . . .	115,513.53	313,580.87	397,444.51	284,374.29

\*Debenture payments included in "Interest."

## CONSOLIDATED

YEAR.....	1916	1917	1918
Number of municipalities included.....	128	143	166
<b>EARNINGS</b>			
Domestic service.....	\$ c. 1,172,878.96	\$ c. 1,417,460.31	\$ c. 1,632,272.12
Commercial light service.....	812,130.78	899,023.72	968,399.42
Commercial power service.....	1,921,152.31	2,665,280.65	3,417,248.37
Municipal power.....			
Street lighting.....	930,057.48	967,495.10	902,875.55
Rural service.....			
Miscellaneous.....	147,381.50	120,805.39	161,243.70
Total earnings.....	4,983,601.03	6,070,065.17	7,082,039.16
<b>EXPENSES</b>			
Power purchased.....	1,959,446.83	2,573,879.37	2,807,769.33
Substation operation.....	153,761.08	203,091.20	238,257.34
Substation maintenance.....	46,131.53	42,129.04	60,805.92
Distribution system, operation and maintenance.....	154,247.17	169,326.24	223,347.81
Line transformer maintenance.....	14,528.17	25,328.95	30,488.83
Meter maintenance.....	24,218.48	44,461.55	63,155.56
Consumers' premises expenses.....	52,602.01	61,765.14	65,149.59
Street lighting, operation and maintenance.....	145,471.50	157,857.73	196,157.18
Promotion of business.....	79,324.85	73,516.37	64,962.78
Billing and collecting.....	154,508.58	188,083.84	208,660.76
General office, salaries and expenses.....	306,709.35	349,932.05	421,680.15
Undistributed expense.....	97,333.97	102,938.80	117,474.07
Interest.....	951,781.99	1,085,180.80	1,238,425.53
Sinking fund and principal payments on debentures.....	*	*	*
Total expenses.....	4,140,065.51	5,077,491.08	5,736,334.85
Surplus.....	843,535.52	992,574.09	1,345,704.31
Depreciation and other reserves.....	486,141.80	607,296.29	718,162.30
Surplus less depreciation.....	357,393.72	385,277.80	627,542.01

\*Debenture payments included in "Interest."

## OPERATING REPORT—Continued

1919	1920	1921	1922	1923	1924
181	186	205	214	224	241
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,991,632.31	2,546,345.30	3,149,080.03	3,786,608.23	5,166,452.24	5,993,231.07
1,175,143.56	1,512,854.63	1,851,501.76	2,158,306.34	3,260,772.50	3,566,227.22
3,443,107.13	3,752,188.22	3,895,437.46	4,383,912.97	5,927,666.37	6,222,865.88
.....	532,279.09	654,531.01	973,263.38	1,161,598.60	1,352,966.47
988,900.95	1,005,535.11	1,060,357.77	1,160,446.81	1,269,604.48	1,356,668.97
.....	168,919.95	145,566.57	105,877.09	116,639.06	75,100.24
228,270.65	189,778.63	225,467.70	187,689.39	316,311.21	231,663.58
7,827,054.60	9,707,900.93	10,981,942.30	12,756,104.21	17,219,044.46	18,798,723.43
3,284,490.68	4,216,667.87	4,876,650.31	6,636,853.37	8,699,026.67	9,669,789.40
217,638.89	285,407.35	314,838.35	315,443.70	474,442.13	430,056.09
81,853.63	102,050.81	104,798.01	100,763.67	133,815.53	202,050.04
286,310.76	344,551.57	487,918.33	519,252.16	636,477.41	648,700.62
42,509.12	46,323.09	65,088.46	52,932.26	75,920.10	82,936.50
78,726.64	123,701.18	116,722.97	107,806.88	139,104.81	141,231.23
84,301.24	116,283.52	134,854.92	143,388.88	218,682.02	237,316.20
215,963.86	236,930.79	297,481.52	297,363.86	299,579.08	269,973.30
74,789.22	78,294.85	101,804.46	129,932.63	184,371.00	202,060.74
236,504.75	295,942.88	321,685.71	338,153.50	444,306.92	490,273.30
452,131.22	559,695.29	656,268.11	605,852.50	937,463.47	889,907.66
190,690.09	256,400.33	308,874.42	385,895.03	359,206.91	494,078.50
1,285,571.51	1,431,807.16	998,611.47	1,074,657.44	1,615,205.16	1,779,991.26
*	*	532,183.96	635,469.90	990,907.14	1,122,798.87
6,531,481.61	8,094,056.69	9,317,781.00	11,343,765.78	15,208,508.35	16,661,163.71
1,295,572.99	1,613,844.24	1,664,161.30	1,412,338.43	2,010,536.11	2,137,559.72
814,219.37	902,028.75	1,044,434.85	715,814.24	916,782.75	973,649.62
481,353.62	711,815.49	619,726.45	696,524.19	1,093,753.36	1,163,910.10



## CONSOLIDATED

YEAR.....	1925	1926	1927
Number of municipalities included.....	242	248	251
<b>EARNINGS</b>			
	\$ c.	\$ c.	\$ c.
Domestic service.....	6,439,159.86	7,372,602.62	8,189,866.89
Commercial light service.....	3,866,292.79	4,187,899.19	4,626,815.51
Commercial power service.....	6,568,854.77	6,789,217.54	7,342,173.20
Municipal power.....	1,923,093.09	1,922,512.34	1,913,502.88
Street lighting.....	1,415,382.22	1,457,686.21	1,489,242.37
Rural service.....	37,975.18	37,810.73	13,765.72
Miscellaneous.....	286,451.08	471,134.15	581,913.04
Total earnings.....	20,537,208.99	22,238,862.78	24,157,279.61
<b>EXPENSES</b>			
Power purchased.....	11,063,123.34	12,185,669.10	13,505,583.77
Substation operation.....	417,921.71	450,416.84	430,211.76
Substation maintenance.....	207,497.63	286,520.37	275,148.86
Distribution system, operation and maintenance.....	686,344.54	795,514.70	758,747.10
Line transformer maintenance.....	75,473.28	74,876.11	94,706.38
Meter maintenance.....	156,909.55	189,603.70	214,813.87
Consumers' premises expenses.....	252,808.47	275,020.62	285,352.68
Street lighting, operation and maintenance.....	275,316.60	295,869.37	318,395.79
Promotion of business.....	217,102.24	234,696.74	220,687.60
Billing and collecting.....	521,134.01	557,271.54	605,627.58
General office, salaries and expenses.....	891,640.29	786,742.60	824,868.90
Undistributed expense.....	520,584.58	460,288.30	531,003.80
Truck operation and maintenance.....	.....	.....	.....
Interest.....	1,889,810.95	1,985,233.73	2,063,698.00
Sinking fund and principal payments on debentures.....	1,294,027.29	1,347,511.92	1,505,626.31
Total expenses.....	18,469,694.48	19,925,235.64	21,634,472.40
Surplus.....	2,067,514.51	2,313,627.14	2,522,807.21
Depreciation and other reserves.....	1,068,880.42	1,146,273.05	1,249,711.65
Surplus less depreciation.....	998,634.09	1,167,354.09	1,273,095.56

## OPERATING REPORT—Continued

1928	1929	1930	1931	1932
255	259	267	275	280
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,925,050.56	9,873,681.57	10,542,903.89	10,972,952.10	11,447,307.85
5,182,723.32	5,697,766.06	5,961,383.23	6,230,475.89	6,243,794.01
8,298,669.44	9,376,158.74	9,340,653.28	9,456,224.97	9,356,693.88
1,921,300.97	2,086,444.24	2,111,482.38	1,967,118.54	1,859,585.35
1,534,476.98	1,598,262.43	1,674,528.03	1,746,855.24	1,783,972.46
48,451.90*	51,590.54*	28,954.60*	29,446.38*	11,069.27*
465,791.92	522,780.95	581,914.78	511,139.80	513,787.30
26,376,465.09	29,206,684.53	30,241,820.19	30,914,212.92	31,216,210.12
14,688,570.08	16,379,162.88	17,323,077.97	18,085,166.51	19,109,036.25
420,512.48	461,270.27	479,502.48	487,484.17	503,351.82
247,647.88	274,275.56	320,716.48	303,536.11	300,186.15
736,159.85	907,817.04	991,972.86	1,015,256.14	969,750.51
88,676.18	93,608.14	96,746.35	93,463.24	95,485.55
218,530.96	242,126.27	278,379.43	284,633.88	300,104.85
291,333.03	314,495.03	317,902.45	363,078.47	368,208.73
329,597.16	359,373.40	372,211.07	368,119.49	360,709.76
249,842.01	250,844.28	249,070.05	255,956.03	266,760.84
638,797.02	695,729.42	745,159.02	792,983.99	818,721.33
844,578.55	904,025.64	907,226.89	923,676.84	960,558.88
542,755.34	502,206.06	523,862.96	520,893.10	436,692.96
.....	110,630.62	112,029.82	107,918.93	112,059.90
2,111,049.49	2,152,695.49	2,220,214.45	2,328,094.32	2,532,940.93
1,601,711.32	1,687,201.64	1,828,061.62	2,061,718.79	2,244,367.86
23,009,761.35	25,335,461.74	26,766,134.00	27,991,980.01	29,378,936.42
3,366,703.74	3,871,222.79	3,475,686.19	2,922,232.91	1,837,273.70
1,350,252.16	1,469,846.83	1,574,991.68	1,775,330.69	1,920,896.22
2,016,451.58	2,401,375.96	1,900,694.51	1,146,902.22	83,622.52 (loss)

\*Profits from the sale of merchandise. Rural service now given in Rural Power Districts.

## CONSOLIDATED

YEAR .....	1933	1934	1935
Number of municipalities included .....	282	282	284
<b>EARNINGS</b>			
	\$ c.	\$ c.	\$ c.
Domestic service .....	11,429,101.13	11,844,033.10	12,145,219.89
Commercial light service .....	6,013,025.96	6,206,086.35	6,458,748.57
Commercial power service .....	9,080,522.07	9,692,784.37	10,211,968.71
Municipal power .....	1,826,872.07	1,875,969.80	1,821,285.82
Street lighting .....	1,779,582.48	1,777,596.69	1,788,760.38
Merchandise .....	12,812.74	18,747.73	21,669.98
Miscellaneous .....	485,925.43	555,172.04	562,285.82
Total earnings .....	30,627,841.88	31,970,390.08	33,009,939.17
<b>EXPENSES</b>			
Power purchased .....	19,330,861.58	19,591,887.79	20,053,676.40
Substation operation .....	484,764.57	468,944.09	478,813.83
Substation maintenance .....	288,583.29	296,550.52	297,127.27
Distribution system, operation and maintenance .....	895,350.99	844,813.95	830,633.88
Line transformer maintenance .....	82,321.32	75,172.18	70,749.63
Meter maintenance .....	283,115.98	291,402.79	313,234.11
Consumers' premises expenses .....	361,499.20	352,499.09	340,761.52
Street lighting, operation and maintenance .....	353,082.15	338,784.80	340,120.36
Promotion of business .....	259,936.42	228,741.36	252,648.33
Billing and collecting .....	817,660.03	827,860.20	835,375.90
General office, salaries and expenses .....	908,517.79	908,039.75	943,880.18
Undistributed expense .....	349,101.36	362,322.12	360,676.96
Truck operation and maintenance .....	105,452.68	98,081.61	95,150.54
Interest .....	2,426,286.35	2,204,994.25	2,040,130.35
Sinking fund and principal payments on debentures .....	2,319,319.09	2,358,169.12	2,423,088.34
Total expenses .....	29,265,852.80	29,248,263.62	29,686,067.60
Surplus .....	1,361,989.08	2,722,126.46	3,323,871.57
Depreciation and other reserves .....	1,989,000.41	2,036,637.33	2,076,322.24
Surplus less depreciation .....	627,011.33 (loss)	685,489.13	1,247,549.33



## OPERATING REPORT—Concluded

1936	1937	1938	1939	1940
283	287	288	293	295
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
12,682,140.18	12,448,345.63	12,607,601.30	13,038,748.37	13,705,710.79
6,815,439.16	6,510,685.15	6,727,374.48	7,077,144.74	7,642,679.90
10,694,192.44	11,063,764.43	10,527,631.36	10,957,719.66	12,458,439.08
1,817,986.94	1,731,311.34	1,677,069.34	1,760,977.25	1,741,235.23
1,799,420.87	1,781,363.37	1,813,555.27	1,831,090.33	1,842,443.63
23,158.76	22,971.02	26,588.18	28,874.86	56,818.83
575,825.49	607,035.54	602,012.80	595,235.49	577,959.98
34,408,163.84	34,165,476.48	33,981,832.73	35,289,790.70	38,025,287.44
20,486,582.65	20,532,736.85	20,575,457.95	21,855,595.20	23,756,863.14
478,855.71	490,737.94	493,651.06	516,987.25	544,234.10
301,897.24	300,389.49	351,013.94	377,013.25	322,375.73
855,576.02	889,990.11	921,064.94	943,859.59	930,055.53
72,711.67	81,365.18	94,040.92	95,577.72	101,617.16
328,410.90	343,658.47	384,357.58	386,145.71	372,562.74
306,644.80	420,366.36	483,012.96	488,980.55	568,135.41
356,932.01	364,325.53	373,065.44	384,071.55	366,911.70
288,338.93	294,574.21	309,626.97	317,467.64	293,022.17
945,892.70	980,540.10	987,040.66	1,008,065.66	1,020,648.93
967,269.06	940,890.76	931,120.05	966,550.98	960,065.70
448,332.98	476,370.44	430,609.32	463,456.65	555,414.26
69,805.06	77,995.38	84,111.05	80,263.46	79,848.64
1,893,304.28	1,752,287.58	1,642,663.25	1,594,040.32	1,464,381.29
2,448,223.80	2,429,565.06	2,424,098.70	2,420,441.30	2,389,723.60
30,248,777.81	30,375,793.46	30,484,934.79	31,898,516.83	33,725,860.10
4,159,386.03	3,789,683.02	3,496,897.94	3,391,273.87	4,299,427.34
2,230,021.86	2,329,625.64	2,451,529.46	2,524,364.33	2,644,127.10
1,929,364.17	1,460,057.38	1,045,368.48	866,909.54	1,655,300.24

# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM

Municipality . . . . .	Acton	Agincourt	Ailsa Craig 477	Alvinston	Amherst- burg 2,755
Population . . . . .	1,903	P.V.		663	
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .	1,545.45			133.56	
Substation equipment . . . . .	1,962.78				932.00
Distribution system—overhead . . . . .	26,827.50	9,146.36	7,844.15	16,306.55	39,550.14
Distribution system—underground . . . . .					
Line transformers . . . . .	15,612.11	4,881.46	3,152.34	2,941.70	20,426.68
Meters . . . . .	11,604.41	2,989.78	2,644.36	3,304.27	17,628.26
Street light equipment, regular . . . . .	2,325.10	916.31	457.58	1,280.09	1,587.79
Street light equipment, ornamental . . . . .					5,598.72
Miscellaneous construction expense . . . . .	2,343.02	23.30	492.36	1,104.22	4,560.42
Steam or hydraulic plant . . . . .					
Old plant . . . . .				773.85	
Total plant . . . . .	62,220.37	17,957.21	14,590.79	25,844.24	90,284.01
Bank and cash balance . . . . .	4,681.25	939.40	3,769.31	434.20	7,684.88
Securities and investments . . . . .	6,500.00	5,000.00	5,000.00	4,500.00	
Accounts receivable . . . . .	1,761.97	1,460.90	1,253.38	1,608.07	8,968.00
Inventories . . . . .	1,220.37				76.72
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	70,973.63	11,594.47	15,874.72	15,940.84	55,795.01
Other assets . . . . .		159.54			153.60
Total assets . . . . .	147,357.59	37,111.52	40,488.20	48,327.35	162,962.22
Deficit . . . . .					
Total . . . . .	147,357.59	37,111.52	40,488.20	48,327.35	162,962.22
<b>LIABILITIES</b>					
Debenture balance . . . . .				1,687.93	12,681.91
Accounts payable . . . . .	88.13	265.79	40.52		186.38
Bank overdraft . . . . .					
Other liabilities . . . . .	1,043.43		175.00	55.00	6,866.57
Total liabilities . . . . .	1,131.56	265.79	215.52	1,742.93	19,734.86
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	70,973.63	11,594.47	15,874.72	15,940.84	55,795.01
For depreciation . . . . .	11,878.73	2,757.53	6,308.98	8,333.65	26,738.47
Other reserves . . . . .		60.05		75.00	488.33
Total reserves . . . . .	82,852.36	14,412.05	22,183.70	24,349.49	83,021.81
<b>SURPLUS</b>					
Debentures paid . . . . .	14,500.00	8,072.65	6,883.38	21,841.31	19,371.69
Local sinking fund . . . . .					
Operating surplus . . . . .	48,873.67	14,361.03	11,205.60	393.62	40,833.86
Total surplus . . . . .	63,373.67	22,433.68	18,088.98	22,234.93	60,205.55
Total liabilities, reserves and surplus . . . . .	147,357.59	37,111.52	40,488.20	48,327.35	162,962.22
Percentage of net debt to total assets . . . . .	1.5	1.0	0.9	5.4	13.9

“A”

## Hydro Municipalities as at December 31, 1940

Ancaster Twp.	Arkona 408	Aylmer 1,979	Ayr 768	Baden P.V.	Beachville P.V.	Beamsville 1,186
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
19,022.53	10,001.82	26,579.93	12,713.85	9,220.50	15,772.67	29,442.16
13,009.19	2,109.88	14,644.66	5,254.56	6,612.00	4,886.14	9,629.08
6,102.36	1,757.37	12,141.79	4,209.50	3,838.20	3,472.60	7,677.14
1,404.17	750.31	4,064.44	1,162.14	738.66	444.23	2,672.56
778.40	238.27	2,240.36	822.49	293.38	602.04	314.85
	1,030.30	6,469.47	4,002.53			
40,316.65	15,887.95	76,524.17	28,290.07	21,363.38	25,353.81	49,735.79
2,831.54	69.99	25.00	171.96	3,431.50	2,632.43	2,854.68
1,419.27	795.08	12,000.00	1,000.00		4,000.00	
		3,380.65	1,676.36	448.46	371.95	734.28
17,811.72	6,404.38	44,510.71	15,446.25	33,067.38	42,335.55	4,206.62
						10,783.89
62,379.18	23,157.40	136,440.53	46,584.64	58,310.72	74,693.74	68,315.26
	508.91					
62,379.18	23,666.31	136,440.53	46,584.64	58,310.72	74,693.74	68,315.26
8,400.19	4,824.01	8,972.52	3,964.62	309.77	377.52	22,785.02
1,481.59	606.82	168.92	51.58		51.07	229.82
223.60	7.00	933.69				
		577.66	46.00			634.88
10,105.38	5,437.83	10,652.79	4,062.20	309.77	428.59	23,649.72
17,811.72	6,404.38	44,510.71	15,446.25	33,067.38	42,335.55	4,206.62
10,136.77	3,535.28	17,510.75	7,258.32	3,243.07	8,328.01	13,752.01
112.36		654.83	517.29			
28,060.85	9,939.66	62,676.29	23,221.86	36,310.45	50,663.56	17,958.63
5,710.09	8,288.82	29,729.40	13,538.76	4,690.23	4,975.48	14,714.98
18,502.86		33,382.05	5,761.82	17,000.27	18,626.11	11,991.93
24,212.95	8,288.82	63,111.45	19,300.58	21,690.50	23,601.59	26,706.91
62,379.18	23,666.31	136,440.53	46,584.64	58,310.72	74,693.74	68,315.26
22.7	32.5	11.6	13.0	1.2	1.3	36.9



# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality . . . . .	Belle River 852	Blenheim 1,844	Blyth 656	Bolton 600	Bothwell 646
Population . . . . .					
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .		12,960.93			
Substation equipment . . . . .		909.64			
Distribution system—overhead . . . . .	19,621.69	31,058.18	11,830.76	10,504.93	7,496.61
Distribution system—underground . . . . .					
Line transformers . . . . .	4,445.86	10,458.95	2,449.70	4,488.88	3,207.58
Meters . . . . .	4,460.14	10,517.07	2,417.71	3,352.70	3,430.38
Street light equipment, regular . . . . .	1,102.88	3,843.85	1,569.43	873.89	3,571.49
Street light equipment, ornamental . . . . .		1,482.97			1,131.22
Miscellaneous construction expense . . . . .	1,087.65	836.22	254.59	1,402.15	638.77
Steam or hydraulic plant . . . . .					
Old plant . . . . .			2,096.17	1,554.60	
Total plant . . . . .	30,718.22	72,067.81	20,618.36	22,177.15	19,476.05
Bank and cash balance . . . . .	4,896.16	94.86	1,060.06		77.31
Securities and investments . . . . .			3,000.00	8,000.00	11,000.00
Accounts receivable . . . . .	672.49	3,772.63	1,746.35	1,037.26	1,536.70
Inventories . . . . .		1,480.45			8.12
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	10,772.64	39,154.86	10,127.62	18,122.16	17,984.60
Other assets . . . . .					
Total assets . . . . .	47,059.51	116,570.61	36,552.39	49,336.57	50,082.78
Deficit . . . . .					
Total . . . . .	47,059.51	116,570.61	36,552.39	49,336.57	50,082.78
LIABILITIES					
Debenture balance . . . . .		4,284.55	1,215.86	2,191.46	1,530.13
Accounts payable . . . . .	0.80	4,949.99	783.27	39.53	
Bank overdraft . . . . .				27.11	
Other liabilities . . . . .	210.00	1,863.47	155.00	10.00	1,216.22
Total liabilities . . . . .	210.80	11,098.01	2,154.13	2,268.10	2,746.35
RESERVES					
For equity in H-E.P.C. systems . . . . .	10,772.64	39,154.86	10,127.62	18,122.16	17,984.60
For depreciation . . . . .	9,730.97	20,090.44	5,724.96	8,239.34	7,225.44
Other reserves . . . . .		208.44			25.02
Total reserves . . . . .	20,503.61	59,453.74	15,852.58	26,361.50	25,235.06
SURPLUS					
Debentures paid . . . . .	8,500.00	9,715.45	14,816.66	10,308.54	4,004.06
Local sinking fund . . . . .					
Operating surplus . . . . .	17,845.10	36,303.41	3,729.02	10,398.43	18,097.31
Total surplus . . . . .	26,345.10	46,018.86	18,545.68	20,706.97	22,101.37
Total liabilities, reserves and surplus . . . . .	47,059.51	116,570.61	36,552.39	49,336.57	50,082.78
Percentage of net debt to total assets . . . . .	0.6	12.7	8.2	7.3	8.6

## “A”—Continued

## Hydro Municipalities as at December 31, 1940

Brampton 5,695	Brantford 31,309	Brantford Twp.	Bridgeport P.V.	Brigden P.V.	Brussels 814	Burford P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
5,355.12	114,349.56			1,482.03		202.00
35,006.39	300,671.49	1,192.71				
54,049.55	281,882.69	65,526.50	10,104.64	8,652.70	14,418.24	9,419.77
36,239.23	188,542.15	19,450.05	3,275.45	2,825.58	3,046.95	3,578.93
30,734.52	154,191.87	15,710.89	2,774.21	2,558.67	4,307.60	3,871.59
12,434.99	24,922.76	5,387.82	1,635.60	494.23	1,587.79	425.14
	38,922.18					
21,478.80	43,261.98	2,839.08	664.36	1,292.10	1,537.56	736.43
	6,000.00				2,827.50	
195,298.60	1,152,744.68	110,107.05	18,454.26	17,305.31	27,725.64	18,233.86
66.00	5,514.56	7,858.06	2,218.19	378.42	1,190.80	3,702.24
2,412.18	51,500.00			2,500.00	8,500.00	3,000.00
6,878.00	24,005.81	347.49	364.66	1,009.83	1,246.21	610.34
153.62	11,256.20					
177,834.28	935,988.05	35,387.32	6,523.59	12,275.79	13,558.61	14,191.58
			100.00			
382,642.68	2,181,009.30	153,699.92	27,660.70	33,469.35	52,221.26	39,738.02
382,642.68	2,181,009.30	153,699.92	27,660.70	33,469.35	52,221.26	39,738.02
	52,750.00		6,964.70		4,740.78	
10,303.67	8,515.79	1,022.98	45.49	549.04		82.56
4,235.42	15,008.96					
747.96	60,064.56	2,045.87	174.87	30.00	75.73	73.08
15,287.05	136,339.31	3,068.85	7,185.06	579.04	4,816.51	155.64
177,834.28	935,988.05	35,387.32	6,523.59	12,275.79	13,558.61	14,191.58
64,139.05	406,375.02	28,766.27	6,387.49	5,290.65	8,471.68	6,871.89
216.64	25,014.53	55.46		97.24		
242,189.97	1,367,377.60	64,209.05	12,911.08	17,663.68	22,030.29	21,063.47
69,050.64	477,250.00	57,125.66	5,403.33	8,000.00	16,259.22	9,000.00
56,115.02	200,042.39	29,296.36	2,161.23	7,226.63	9,115.24	9,518.91
125,165.66	677,292.39	86,422.02	7,564.56	15,226.63	25,374.46	18,518.91
382,642.68	2,181,009.30	153,699.92	27,660.70	33,469.35	52,221.26	39,738.02
7.5	10.2	2.6	34.0	2.7	12.5	0.6

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	Burgess- ville P.V.	Caledonia	Campbell- ville P.V.	Cayuga	Chatham
Population . . . . .	P.V.	1,425	P.V.	658	16,910
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .		224.96			90,216.28
Substation equipment . . . . .					154,326.67
Distribution system—overhead . . . . .	3,674.57	19,168.87	3,002.37	19,259.42	152,335.80
Distribution system—underground . . . . .					86,297.88
Line transformers . . . . .	1,395.24	6,848.37	820.55	5,389.92	95,361.30
Meters . . . . .	1,161.12	8,033.50	758.28	4,127.77	75,596.86
Street light equipment, regular . . . . .	261.02	2,005.32	335.61	1,301.17	20,047.03
Street light equipment, ornamental . . . . .					35,426.10
Miscellaneous construction expense . . . . .	457.22	1,791.68	10.72	603.36	31,593.71
Steam or hydraulic plant . . . . .					
Old plant . . . . .					42,752.31
Total plant . . . . .	6,949.17	38,072.70	4,927.53	30,681.64	783,953.94
Bank and cash balance . . . . .	1,360.10	1,606.42	401.01	407.33	1,910.63
Securities and investments . . . . .		3,000.00	2,100.00	1,000.00	35,000.00
Accounts receivable . . . . .	524.51	347.99	516.35	1,203.56	44,384.54
Inventories . . . . .		1,169.15		354.75	9,930.01
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	5,523.44	23,572.73	2,684.24	10,064.20	411,496.26
Other assets . . . . .					
Total assets . . . . .	14,357.22	67,768.99	10,629.13	43,711.48	1,286,675.38
Deficit . . . . .					
Total . . . . .	14,357.22	67,768.99	10,629.13	43,711.48	1,286,675.38
<b>LIABILITIES</b>					
Debenture balance . . . . .			1,304.95	5,866.18	132,740.62
Accounts payable . . . . .	25.62	197.62	7.75	1,321.23	16,444.35
Bank overdraft . . . . .					
Other liabilities . . . . .		64.50		170.00	45,068.80
Total liabilities . . . . .	25.62	262.12	1,312.70	7,357.41	194,253.77
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	5,523.44	23,572.73	2,684.24	10,064.20	411,496.26
For depreciation . . . . .	3,511.14	3,938.19	1,416.21	6,622.02	182,666.49
Other reserves . . . . .				66.21	23,493.25
Total reserves . . . . .	9,034.58	27,510.92	4,100.45	16,752.43	617,656.00
<b>SURPLUS</b>					
Debentures paid . . . . .	3,500.00	4,624.00	4,142.82	14,133.82	237,259.38
Local sinking fund . . . . .					
Operating surplus . . . . .	1,797.02	35,371.95	1,073.16	5,467.82	237,506.23
Total surplus . . . . .	5,297.02	39,995.95	5,215.98	19,601.64	474,765.61
Total liabilities, reserves and surplus . . . . .	14,357.22	67,768.99	10,629.13	43,711.48	1,286,675.38
Percentage of net debt to total assets . . . . .	0.3	0.6	16.5	21.9	20.0



## "A"—Continued

## Hydro Municipalities as at December 31, 1940

Chippawa 1,172	Clifford 456	Clinton 1,879	Comber P.V.	Cottam P.V.	Courtright 344	Dashwood P.V.
\$ c. 1,434.46	\$ c.	\$ c. 10,227.74	\$ c. 62.00	\$ c. 475.63	\$ c.	\$ c.
11,822.73	8,157.49	7,598.09 26,422.74	7,923.45	9,810.11	6,558.19	3,811.61
7,172.84	1,429.64	10,858.69	4,374.14	2,133.74	1,225.40	2,400.81
6,245.68	2,487.48	10,720.05	2,681.89	2,062.91	945.92	1,770.77
3,141.60	1,014.93	5,605.10	423.35	366.43	425.08	364.52
1,456.12	37.44	5,409.34	1,167.69	259.48	625.16	312.11
		10,658.09				
31,273.43	13,126.98	87,499.84	16,632.52	15,108.30	9,779.75	8,659.82
5,695.97	3,307.39	3,998.02	87.56	338.33	4,702.92	1,971.83
615.43	732.32	3,000.00	6,000.00	5,283.84		1,500.00
		4,114.88	413.56	473.91	274.81	610.80
		3,438.91				
17,806.71	7,346.28	48,364.95	19,244.17	4,540.56	5,903.96	8,748.60
55,391.54	24,512.97	150,416.60	42,377.81	25,744.94	20,661.44	21,491.05
55,391.54	24,512.97	150,416.60	42,377.81	25,744.94	20,661.44	21,491.05
246.78	5,278.57			3,762.26		1,168.70
73.65	35.46	176.12	511.80	.22	25.53	28.94
770.50		412.22	50.00	200.00		
1,090.93	5,314.03	588.34	561.80	3,962.48	25.53	1,197.64
17,806.71	7,346.28	48,364.95	19,244.17	4,540.56	5,903.96	8,748.60
5,130.23	3,413.17	26,458.09	7,051.12	5,155.48	2,359.40	3,426.22
		555.86			14.21	
22,936.94	10,759.45	75,378.90	26,295.29	9,696.04	8,277.57	12,174.82
13,103.22	2,721.43	44,500.00	7,700.00	5,237.96	8,138.35	2,231.30
18,260.45	5,718.06	29,949.36	7,820.72	6,848.46	4,219.99	5,887.29
31,363.67	8,439.49	74,449.36	15,520.72	12,086.42	12,358.34	8,118.59
55,391.54	24,512.97	150,416.60	42,377.81	25,744.94	20,661.44	21,491.05
2.9	30.9	0.6	2.4	18.7	0.2	9.4

**STATEMENT**

**Balance Sheets of Electrical Departments of**

**NIAGARA  
SYSTEM—Continued**

Municipality . . . . .	Delaware	Delhi	Dorchester	Drayton	Dresden
Population . . . . .	P.V.	2,544	P.V.	528	1,572
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings . . . . .		2,177.24			523.00
Substation equipment . . . . .					
Distribution system—overhead . . . . .	5,169.39	27,755.94	9,358.41	9,887.44	19,719.73
Distribution system—underground . . . . .					
Line transformers . . . . .	1,819.08	15,898.51	3,317.06	4,143.43	8,462.31
Meters . . . . .	1,363.78	11,725.10	2,804.54	3,601.15	7,426.69
Street light equipment, regular . . . . .	202.58	3,679.11	907.18	772.21	1,652.15
Street light equipment, ornamental . . . . .					
Miscellaneous construction expense . . . . .	203.81	3,995.17	328.41	458.73	1,220.00
Steam or hydraulic plant . . . . .					
Old plant . . . . .		28,518.74			4,815.01
<b>Total plant . . . . .</b>	<b>8,758.64</b>	<b>93,749.81</b>	<b>16,715.60</b>	<b>18,862.96</b>	<b>43,818.89</b>
Bank and cash balance . . . . .	449.09	7,813.78	717.43	968.18	980.24
Securities and investments . . . . .	1,000.00		2,000.00	5,000.00	4,000.00
Accounts receivable . . . . .	381.57	4,732.11	1,204.05	827.56	3,887.63
Inventories . . . . .		2,708.92			1,167.68
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	3,392.83	4,015.97	7,868.19	13,017.32	33,085.01
Other assets . . . . .	294.64				250.08
<b>Total assets . . . . .</b>	<b>14,276.77</b>	<b>113,020.59</b>	<b>28,505.27</b>	<b>38,676.02</b>	<b>87,189.53</b>
<b>Deficit . . . . .</b>					
<b>Total . . . . .</b>	<b>14,276.77</b>	<b>113,020.59</b>	<b>28,505.27</b>	<b>38,676.02</b>	<b>87,189.53</b>
<b>LIABILITIES</b>					
Debenture balance . . . . .	923.18	81,232.12	1,210.34	3,857.76	
Accounts payable . . . . .	17.50	148.25	0.32	38.13	436.43
Bank overdraft . . . . .					
Other liabilities . . . . .		1,346.71	25.00		310.00
<b>Total liabilities . . . . .</b>	<b>940.68</b>	<b>82,727.08</b>	<b>1,235.66</b>	<b>3,895.89</b>	<b>746.43</b>
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	3,392.83	4,015.97	7,868.19	13,017.32	33,085.01
For depreciation . . . . .	680.93	7,323.38	3,902.77	8,572.16	6,151.06
Other reserves . . . . .	30.00		46.17		1,666.28
<b>Total reserves . . . . .</b>	<b>4,103.76</b>	<b>11,339.35</b>	<b>11,817.13</b>	<b>21,589.48</b>	<b>40,902.35</b>
<b>SURPLUS</b>					
Debentures paid . . . . .	3,076.82	3,767.88	3,089.66	5,642.24	16,238.25
Local sinking fund . . . . .					
Operating surplus . . . . .	6,155.51	15,186.28	12,362.82	7,548.41	29,302.50
<b>Total surplus . . . . .</b>	<b>9,232.33</b>	<b>18,954.16</b>	<b>15,452.48</b>	<b>13,190.65</b>	<b>45,540.75</b>
<b>Total liabilities, reserves and surplus . . . . .</b>	<b>14,276.77</b>	<b>113,020.59</b>	<b>28,505.27</b>	<b>38,676.02</b>	<b>87,189.53</b>
<b>Percentage of net debt to total assets . . . . .</b>	<b>8.6</b>	<b>75.9</b>	<b>6.0</b>	<b>15.2</b>	<b>1.3</b>

## "A"—Continued

## Hydro Municipalities as at December 31, 1940

Drumbo P.V.	Dublin P.V.	Dundas 5,012	Dunnville 3,870	Dutton 843	East York Twp.	Elmira 2,069
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	.....	16,856.93	3,356.09	75.11	23,728.18	7,458.03
.....	.....	13,999.39	39,710.85	.....	8,893.55	.....
4,708.32	5,886.34	51,399.30	40,779.68	10,085.95	336,827.92	35,930.32
.....	.....	.....	.....	.....	.....	540.21
1,801.50	1,354.25	22,946.49	23,042.00	3,791.29	98,636.22	15,413.30
2,029.28	1,121.68	23,667.17	20,418.75	3,568.04	156,164.17	13,849.85
284.27	544.86	11,535.93	9,637.09	754.38	27,226.28	2,134.89
.....	.....	1,154.52	.....	.....	.....	.....
235.58	803.25	6,478.24	7,891.53	307.03	21,411.33	2,630.25
.....	.....	1,867.38	10,717.62	.....	.....	2,168.08
9,058.95	9,710.38	149,905.35	155,553.61	18,581.80	372,887.65	80,124.93
6,399.52	1,645.73	30,279.64	3,363.84	255.34	5,932.94	4,024.58
.....	.....	1,500.00	10,000.00	7,000.00	.....	13,500.00
308.65	380.17	1,206.66	6,338.94	394.13	14,390.27	1,839.53
.....	.....	296.87	1,696.38	.....	9,398.54	.....
6,844.45	5,893.78	144,669.31	64,261.68	20,428.69	284,282.25	79,533.65
.....	.....	96.40	.....	.....	268.38	.....
22,611.57	17,630.06	327,954.23	241,214.45	46,659.96	987,160.03	179,022.69
.....	.....	.....	.....	.....	.....	.....
22,611.57	17,630.06	327,954.23	241,214.45	46,659.96	987,160.03	179,022.69
1,038.00	.....	7,836.97	27,955.84	.....	139,083.43	10,818.67
.....	37.23	1,094.49	121.32	.....	35,006.19	.....
.....	.....	.....	.....	.....	.....	.....
.....	6.00	7,993.27	2,031.27	202.36	16,817.38	733.65
1,038.00	43.23	16,924.73	30,108.43	202.36	190,907.00	11,552.32
6,844.45	5,893.78	144,669.31	64,261.68	20,428.69	284,282.25	79,533.65
5,177.76	5,046.85	66,234.91	41,075.27	9,386.73	110,337.26	27,976.39
.....	.....	370.56	.....	34.22	2,468.85	.....
12,022.21	10,940.63	211,274.78	105,336.95	29,849.64	397,088.36	107,510.04
3,462.00	6,200.00	45,163.03	47,544.16	8,407.49	217,984.35	26,349.83
6,089.36	446.20	54,591.69	58,224.91	8,200.47	181,180.32	33,610.50
9,551.36	6,646.20	99,754.72	105,769.07	16,607.96	399,164.67	59,960.33
22,611.57	17,630.06	327,954.23	241,214.45	46,659.96	987,160.03	179,022.69
7.0	0.4	8.6	17.0	0.8	27.1	11.6



# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality . . . . .	Elora	Embro	Erieau	Erie Beach 21	Essex
Population . . . . .	1,187	435	295	21	1,854
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .	1,524.54				
Substation equipment . . . . .					
Distribution system—overhead . . .	18,421.75	10,447.93	11,375.88	2,586.48	39,224.81
Distribution system—underground . .					442.55
Line transformers . . . . .	8,011.79	4,161.59	2,495.04	925.32	18,462.13
Meters . . . . .	6,788.67	2,333.10	3,262.71	900.39	12,706.19
Street light equipment, regular . . .	1,258.49	535.73	435.74		1,613.78
Street light equipment, ornamental . .					7,205.06
Miscellaneous construction expense .	1,214.11	69.45	379.90	375.03	1,563.50
Steam or hydraulic plant . . . . .					
Old plant . . . . .		429.25			
<b>Total plant . . . . .</b>	<b>37,219.35</b>	<b>17,977.05</b>	<b>17,949.27</b>	<b>4,787.22</b>	<b>81,218.02</b>
Bank and cash balance . . . . .	1,249.56	1,531.53		1,355.35	5,263.61
Securities and investments . . . . .	7,500.00	1,000.00			15,000.00
Accounts receivable . . . . .	1,177.69	815.51	1,169.46	338.87	1,748.46
Inventories . . . . .	252.78				
Sinking fund on local debentures . .					
Equity in H-E.P.C. systems . . . . .	38,261.88	11,612.12	6,666.83	1,686.78	32,301.24
Other assets . . . . .	92.76				
<b>Total assets . . . . .</b>	<b>85,754.02</b>	<b>32,936.21</b>	<b>25,785.56</b>	<b>8,168.22</b>	<b>135,531.33</b>
<b>Deficit . . . . .</b>					
<b>Total . . . . .</b>	<b>85,754.02</b>	<b>32,936.21</b>	<b>25,785.56</b>	<b>8,168.22</b>	<b>135,531.33</b>
<b>LIABILITIES</b>					
Debenture balance . . . . .			1,648.82	1,415.07	14,845.94
Accounts payable . . . . .			257.09	186.00	99.02
Bank overdraft . . . . .			569.83		
Other liabilities . . . . .	86.25		40.00		7,817.26
<b>Total liabilities . . . . .</b>	<b>86.25</b>		<b>2,515.74</b>	<b>1,601.07</b>	<b>22,762.22</b>
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . .	38,261.88	11,612.12	6,666.83	1,686.78	32,301.24
For depreciation . . . . .	16,905.69	5,967.09	4,344.93	668.70	22,863.59
Other reserves . . . . .		32.23	73.02		518.75
<b>Total reserves . . . . .</b>	<b>55,167.57</b>	<b>17,611.44</b>	<b>11,084.78</b>	<b>2,355.48</b>	<b>55,683.58</b>
<b>SURPLUS</b>					
Debentures paid . . . . .	13,000.00	7,500.00	5,234.31	1,884.93	7,654.06
Local sinking fund . . . . .					
Operating surplus . . . . .	17,500.20	7,824.77	6,950.73	2,326.74	49,431.47
<b>Total surplus . . . . .</b>	<b>30,500.20</b>	<b>15,324.77</b>	<b>12,185.04</b>	<b>4,211.67</b>	<b>57,085.53</b>
<b>Total liabilities, reserves and surplus .</b>	<b>85,754.02</b>	<b>32,936.21</b>	<b>25,785.56</b>	<b>8,168.22</b>	<b>135,531.33</b>
<b>Percentage of net debt to total assets .</b>	<b>0.2</b>	<b>0.0</b>	<b>13.2</b>	<b>24.7</b>	<b>16.2</b>

## "A"—Continued

## Hydro Municipalities as at December 31, 1940

Etobicoke Twp.	Exeter 1,654	Fergus 2,732	Fonthill 860	Forest 1,520	Forest Hill 11,757	Galt 14,286
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
34,242.95	3,335.73			6,517.15	8,669.88	202,082.05
					80,767.90	122,628.76
320,144.67	32,301.27	35,456.10	12,274.75	23,167.03	184,144.96	275,583.06
					2,257.93	
100,100.32	11,895.95	21,207.06	5,875.67	11,628.14	105,183.52	131,364.50
75,432.48	8,929.36	14,141.95	5,028.47	11,177.27	61,513.12	80,006.78
15,164.53	4,693.43	2,588.89	1,712.47	2,615.57	8,219.56	72,411.97
2,689.44		3,537.86			16,795.63	
18,984.22	2,764.66	840.04	197.71	1,879.14	18,012.15	24,662.11
		2,546.59	3,500.00	11,042.87		
566,758.61	63,920.40	80,318.49	28,589.07	68,027.17	485,564.65	908,739.23
	2,170.97	1,783.83	3,035.43	2,226.65	30,254.08	415.09
	12,000.00			12,510.00		68,000.00
14,386.15	4,166.48	5,247.03	290.45	4,201.07	9,769.00	55,589.68
10,698.12	1,521.03	102.59		2,579.88		31,365.41
225,644.35	43,357.74	64,674.58	6,552.41	34,359.76	173,420.65	562,417.37
		474.61			390.56	46.63
817,487.23	127,136.62	152,601.13	38,467.36	123,904.53	699,398.94	1,626,573.41
817,487.23	127,136.62	152,601.13	38,467.36	123,904.53	699,398.94	1,626,573.41
93,661.71		9,430.53	8,360.45	3,712.63	300,235.12	45,377.04
30,341.90		3,908.95		158.29	1,988.13	28,364.65
22,273.78						29,125.76
10,827.38	196.50	3,617.11	354.30	85.96	28,182.81	2,894.88
157,104.77	196.50	16,956.59	8,714.75	3,956.88	330,406.06	105,762.33
225,644.35	43,357.74	64,674.58	6,552.41	34,359.76	173,420.65	562,417.37
122,749.64	17,982.32	13,905.20	3,477.30	19,486.45	98,959.43	341,671.88
1,436.45	534.61	4,084.34		122.70	750.00	28,548.97
349,830.44	61,874.67	82,664.12	10,029.71	53,968.91	273,130.08	932,638.22
172,033.69	20,000.05	32,569.47	14,139.55	30,687.37	62,546.48	472,624.91
138,518.33	45,065.40	20,410.95	5,583.35	35,291.37	33,316.32	115,547.95
310,552.02	65,065.45	52,980.42	19,722.90	65,978.74	95,862.80	588,172.86
817,487.23	127,136.62	152,601.13	38,467.36	123,904.53	699,398.94	1,626,573.41
26.2	0.2	15.9	27.3	4.4	61.6	9.9

# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality .....	George- town 2,427	Glencoe 726	Goderich 4,484	Granton P.V.	Guelph 21,518
Population .....					
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings .....	1,290.51	3,407.70	13,569.89	13,669.09	164,471.55
Substation equipment .....			34,402.48		260,435.86
Distribution system—overhead .....	35,703.57	21,630.76	72,259.73	4,472.19	
Distribution system—underground .....					
Line transformers .....	23,527.33	7,063.35	21,883.97	1,696.30	111,712.39
Meters .....	15,729.09	4,603.56	21,525.53	1,654.60	108,864.73
Street light equipment, regular .....	4,570.34	1,735.09	9,152.70	180.78	44,641.01
Street light equipment, ornamental .....					
Miscellaneous construction expense .....	2,608.98	3,512.03	6,138.30	113.08	16,789.79
Steam or hydraulic plant .....					
Old plant .....	2,209.80		14,622.15		
Total plant .....	85,639.62	41,952.49	193,554.75	8,116.95	720,584.42
Bank and cash balance .....	6,302.92	4,835.37	19,572.41	932.97	17,697.00
Securities and investments .....	5,979.82	3,000.00	16,500.00	4,000.00	10,000.00
Accounts receivable .....	5,584.77	2,956.81	6,448.86	544.12	7,351.70
Inventories .....		237.75	1,803.58		20,797.67
Sinking fund on local debentures .....					
Equity in H-E.P.C. systems .....	106,972.38	21,086.56	127,320.47	8,344.80	686,018.14
Other assets .....					
Total assets .....	210,479.51	74,068.98	365,200.07	21,938.84	1,462,448.93
Deficit .....					
Total .....	210,479.51	74,068.98	365,200.07	21,938.84	1,462,448.93
<b>LIABILITIES</b>					
Debenture balance .....	3,883.80		30,903.20	1,071.54	
Accounts payable .....	167.59	71.43	1,826.82	271.03	29,150.16
Bank overdraft .....					
Other liabilities .....	1,347.08	140.00	2,801.46		2,717.95
Total liabilities .....	5,398.47	211.43	35,531.48	1,342.57	31,868.11
<b>RESERVES</b>					
For equity in H-E.P.C. systems .....	106,972.38	21,086.56	127,320.47	8,344.80	686,018.14
For depreciation .....	21,050.58	13,454.57	93,094.40	3,816.35	148,895.97
Other reserves .....		378.82	885.08	60.00	1,185.48
Total reserves .....	128,022.96	34,919.95	221,299.95	12,221.15	836,099.59
<b>SURPLUS</b>					
Debentures paid .....	16,116.20	20,112.88	65,184.85	2,428.46	145,000.00
Local sinking fund .....					
Operating surplus .....	60,941.88	18,824.72	43,183.79	5,946.66	449,481.23
Total surplus .....	77,058.08	38,937.60	108,368.64	8,375.12	594,481.23
Total liabilities, reserves and surplus .....	210,479.51	74,068.98	365,200.07	21,938.84	1,462,448.93
Percentage of net debt to total assets .....	5.2	0.4	14.9	9.9	4.1



## “A”—Continued

## Hydro Municipalities as at December 31, 1940

Hagersville	Hamilton	Harriston	Harrow	Hensall	Hespeler	Highgate
1,369	154,690	1,326	1,055	696	2,895	324
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	962,374.66	395.25	2,318.16	.....	4,684.43	.....
864.37	2,167,028.88	600.00	.....	.....	39,867.91	.....
21,245.56	1,259,889.80	22,582.88	19,396.62	12,339.16	32,036.10	8,688.89
.....	790,380.59	.....	.....	.....	.....	.....
11,263.05	894,387.13	8,517.01	11,031.57	5,413.17	24,184.26	2,109.25
9,768.20	763,484.29	9,317.30	7,662.96	3,842.66	13,639.88	1,801.55
1,135.27	285,918.55	1,332.00	943.46	612.83	8,137.40	453.91
.....	.....	.....	.....	.....	.....	.....
1,226.21	115,819.07	1,033.24	1,244.61	692.46	1,418.72	491.60
.....	.....	.....	.....	.....	.....	.....
.....	3,242.99	1,001.43	.....	400.00	.....	.....
45,502.66	7,242,525.96	44,779.11	42,597.38	23,300.28	123,968.70	13,545.20
3,197.20	62,943.90	1,897.40	2,194.35	3,301.19	13,088.78	.....
20,000.00	.....	5,000.00	.....	7,000.00	5,000.00	3,000.00
276.53	374,744.96	1,760.17	1,675.86	1,559.36	2,086.88	2,047.85
.....	156,044.14	48.18	304.70	.....	322.43	.....
.....	516,855.03	.....	.....	.....	.....	.....
78,997.55	4,927,615.12	34,949.35	25,836.86	17,037.50	118,619.86	10,017.88
.....	84,041.72	219.93	.....	.....	.....	.....
147,973.94	13,364,770.83	88,654.14	72,609.15	52,198.33	263,086.65	28,610.93
.....	.....	.....	.....	.....	.....	.....
147,973.94	13,364,770.83	88,654.14	72,609.15	52,198.33	263,086.65	28,610.93
1,062.90	1,774,000.00	5,018.44	828.94	3,436.30	19,354.50	.....
783.59	335,742.14	.....	2,378.28	688.05	352.37	564.93
.....	.....	.....	.....	.....	.....	97.78
430.00	*742,554.95	80.82	429.26	36.00	10.00	65.00
2,276.49	2,852,297.09	5,099.26	3,636.48	4,160.35	19,716.87	727.71
78,997.55	4,927,615.12	34,949.35	25,836.86	17,037.50	118,619.86	10,017.88
13,825.70	1,355,999.23	11,840.43	8,157.33	10,583.78	23,820.93	6,313.21
.....	668,680.04	.....	136.30	.....	215.72	.....
92,823.25	6,952,294.39	46,789.78	34,130.49	27,621.28	142,656.51	16,331.09
6,937.10	2,286,275.19	20,799.59	11,171.06	8,563.70	58,216.01	5,000.00
.....	516,855.03	.....	.....	.....	.....	.....
45,937.10	757,049.13	15,965.51	23,671.12	11,853.00	42,497.26	6,552.13
52,874.20	3,560,179.35	36,765.10	34,842.18	20,416.70	100,713.27	11,552.13
147,973.94	13,364,770.83	88,654.14	72,609.15	52,198.33	263,086.65	28,610.93
3.3	29.4	9.5	7.8	11.8	13.6	3.9

\*\$700,000.00 balance re purchase agreement.

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Humberstone 2,784	Ingersoll 5,302	Jarvis 536	Kingsville 2,360	Kitchener 33,080
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....		15,149.95		8,588.77	239,154.45
Substation equipment.....		33,263.83			323,127.07
Distribution system—overhead...	27,823.40	57,944.34	9,976.05	34,469.44	389,785.86
Distribution system—underground					58,289.98
Line transformers.....	11,851.13	32,779.05	3,151.56	15,704.68	219,567.87
Meters.....	10,121.48	27,993.10	2,925.44	15,717.27	224,292.73
Street light equipment, regular....	884.80	4,988.75	929.54	1,470.29	73,393.92
Street light equipment, ornamental		4,597.59		19,200.00	126,922.86
Miscellaneous construction expense	3,637.97	12,319.66	625.81	902.49	16,283.44
Steam or hydraulic plant.....					
Old plant.....		19,098.54			52,363.91
Total plant.....	54,318.78	208,134.81	17,608.40	96,052.94	1,723,182.09
Bank and cash balance.....	7,970.79	12,194.59	5,335.33	1,001.60	185,977.75
Securities and investments.....	11,000.00	10,337.43	4,000.00	20,000.00	
Accounts receivable.....	560.75	3,536.48	147.97	1,859.23	69,188.96
Inventories.....		1,573.55		180.46	17,154.29
Sinking fund on local debentures...		24,393.68			
Equity in H-E.P.C. systems.....	21,886.02	189,955.48	15,550.38	42,227.98	1,341,970.74
Other assets.....					698.17
Total assets.....	95,736.34	450,126.02	42,642.08	161,322.21	3,338,172.00
Deficit.....					
Total.....	95,736.34	450,126.02	42,642.08	161,322.21	3,338,172.00
LIABILITIES					
Debenture balance.....	8,000.00	25,000.00	2,370.50	22,621.59	291,307.41
Accounts payable.....	3.90	956.98	23.11	178.33	86,350.16
Bank overdraft.....					
Other liabilities.....	1,763.42	6,495.59		22,256.77	127,836.98
Total liabilities.....	9,767.32	32,452.57	2,393.61	45,056.69	505,494.55
RESERVES					
For equity in H-E.P.C. systems...	21,886.02	189,955.48	15,550.38	42,227.98	1,341,970.74
For depreciation.....	7,610.85	34,816.60	5,325.99	26,930.62	446,172.22
Other reserves.....		635.49		394.92	7,445.48
Total reserves.....	29,496.87	225,407.57	20,876.37	69,553.52	1,795,588.44
SURPLUS					
Debentures paid.....	24,000.00	54,800.00	8,129.50	10,878.41	445,842.59
Local sinking fund.....		24,393.68			
Operating surplus.....	32,472.15	113,072.20	11,242.60	35,833.59	591,246.42
Total surplus.....	56,472.15	192,265.88	19,372.10	46,712.00	1,037,089.01
Total liabilities, reserves and surplus.	95,736.34	450,126.02	42,642.08	161,322.21	3,338,172.00
Percentage of net debt to total assets.	13.2	1.5	8.8	25.9	20.2

## "A"—Continued

## Hydro Municipalities as at December 31, 1940

Lambeth P.V.	La Salle 873	Leamington 5,811	Listowel 2,892	London 74,000	London Twp.	Long Branch 4,200
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	1,210.68	18,580.07	1,459.49	456,190.49	.....	.....
.....	.....	7,085.62	.....	1,043,160.17	.....	.....
8,957.92	21,144.07	60,007.13	46,428.83	825,988.04	22,456.29	59,250.51
.....	.....	17,209.04	5,522.87	368,515.01	.....	.....
1,883.12	6,775.22	26,849.09	22,565.74	377,408.04	8,176.91	16,207.85
2,695.25	4,751.85	28,487.22	17,926.81	383,543.14	6,041.35	20,386.90
1,052.75	1,054.22	1,438.72	2,995.27	72,911.72	1,590.46	4,805.63
.....	.....	15,178.49	1,539.79	92,286.12	.....	.....
315.71	2,070.14	3,390.96	2,765.90	133,189.65	496.31	2,547.55
.....	.....	.....	4,745.30	.....	1,733.80	.....
14,904.75	37,006.18	178,226.34	105,950.00	3,753,192.38	40,495.12	103,198.44
.....	3,620.52	683.31	2,132.02	117,108.82	442.48	6,680.85
2,000.00	3,000.00	32,500.00	7,000.00	40,000.00	.....	.....
848.75	275.98	3,185.14	3,322.30	207,490.64	1,646.01	6,847.09
.....	22.50	.....	144.00	110,369.36	.....	.....
.....	.....	.....	.....	499,802.97	.....	.....
10,045.55	14,538.61	89,740.38	79,814.76	2,525,132.36	21,115.02	26,786.08
.....	.....	.....	.....	3,303.18	.....	.....
27,799.05	58,463.79	304,335.17	198,363.08	7,256,399.71	63,698.63	143,512.46
.....	.....	.....	.....	.....	.....	.....
27,799.05	58,463.79	304,335.17	198,363.08	7,256,399.71	63,698.63	143,412.46
.....	.....	.....	.....	.....	.....	.....
.....	5,692.43	.....	.....	528,311.37	3,512.69	10,576.24
47.35	1,081.34	520.89	34.75	159,982.22	526.59	2,756.99
84.53	.....	.....	.....	.....	1,018.44	.....
105.00	769.21	18,269.04	1,969.84	96,954.53	442.48	3,008.49
236.88	7,542.98	18,789.93	2,004.59	785,248.12	5,500.20	16,341.72
.....	.....	.....	.....	.....	.....	.....
10,045.55	14,538.61	89,740.38	79,814.76	2,525,132.36	21,115.02	26,786.08
5,369.22	11,542.84	41,823.02	44,807.75	1,390,141.64	10,232.78	22,913.63
42.08	207.00	132.68	.....	110,175.26	42.97	364.38
15,456.85	26,288.45	131,696.08	124,622.51	4,025,449.26	31,390.77	50,064.09
.....	.....	.....	.....	.....	.....	.....
4,000.00	9,807.57	48,000.00	43,189.89	1,053,588.63	15,487.31	29,728.36
.....	.....	.....	.....	499,802.97	.....	.....
8,105.32	14,824.79	105,849.16	28,546.09	892,310.73	11,320.35	47,378.29
12,105.32	24,632.36	153,849.16	71,735.98	2,445,702.33	26,807.66	77,106.65
27,799.05	58,463.79	304,335.17	198,363.08	7,256,399.71	63,698.63	143,512.46
1.3	17.2	1.8	0.4	4.7	12.9	14.0



# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality.....	Lucan	Lynden	Markham	Merlin	Merritton
Population.....	599	P.V.	1,170	P.V.	2,656
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	375.45	241.18			6,764.41
Substation equipment.....					82,450.59
Distribution system—overhead...	11,562.12	4,805.02	18,996.23	8,768.96	39,514.53
Distribution system—underground					
Line transformers.....	4,707.48	3,136.23	9,823.85	3,631.86	10,765.05
Meters.....	3,903.82	2,114.07	7,054.49	2,462.90	14,088.23
Street light equipment, regular...	4,549.30	354.06	753.91	570.46	4,763.80
Street light equipment, ornamental					
Miscellaneous construction expense	862.78	253.57	1,335.06	466.29	3,256.31
Steam or hydraulic plant.....					
Old plant.....	2,860.45			241.85	
Total plant.....	28,821.40	10,904.13	37,963.54	16,142.32	161,602.92
Bank and cash balance.....	1,900.07	1,890.24	2,244.90	1,857.55	11,403.35
Securities and investments.....	2,000.00		7,000.00	7,500.00	
Accounts receivable.....	819.26	456.36	1,019.74	606.71	2,831.47
Inventories.....					
Sinking fund on local debentures...					
Equity in H-E.P.C. systems.....	18,970.90	13,510.90	19,706.42	12,002.59	157,654.06
Other assets.....			123.53		
Total assets.....	52,511.63	26,761.63	68,058.13	38,109.17	333,491.80
Deficit.....					
Total assets.....	52,511.63	26,761.63	68,058.13	38,109.17	333,491.80
<b>LIABILITIES</b>					
Debenture balance.....	2,112.19	1,321.05		1,770.30	6,949.54
Accounts payable.....	31.62	23.03	959.54	156.28	8,617.89
Bank overdraft.....					
Other liabilities.....	200.00		261.00	90.00	
Total liabilities.....	2,343.81	1,344.08	1,220.54	2,016.58	15,567.43
<b>RESERVES</b>					
For equity in H-E.P.C. systems...	18,970.90	13,510.90	19,706.42	12,002.59	157,654.06
For depreciation.....	7,713.68	3,611.88	7,288.78	4,378.36	22,923.72
Other reserves.....			117.26	23.40	2,500.00
Total reserves.....	26,684.58	17,122.78	27,112.46	16,404.35	183,077.78
<b>SURPLUS</b>					
Debentures paid.....	9,101.43	3,173.95	11,373.63	11,593.91	25,236.67
Local sinking fund.....					
Operating surplus.....	14,381.81	5,120.82	28,351.50	8,094.33	109,609.92
Total surplus.....	23,483.24	8,294.77	39,725.13	19,688.24	134,846.59
Total liabilities, reserves and surplus.	52,511.63	26,761.63	68,058.13	38,109.17	333,491.80
Percentage of net debt to total assets.	7.0	10.1	2.5	7.7	8.9

## “A”—Continued

## Hydro Municipalities as at December 31, 1940

Milton 1,903	Milvertcn 997	Mimico 7,112	Mitchell 1,666	Moorefield P.V.	Mount Brydges P.V.	Newbury 275
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
13,814.55	761.88	20,406.60	18,438.97			
16,418.16		38,847.72	16,198.38			
23,251.37	12,338.22	80,014.78	32,963.84	3,086.96	7,589.72	6,945.58
16,595.97	8,101.30	39,693.48	14,564.51	1,211.63	1,845.43	1,768.11
14,702.44	5,151.06	32,260.62	12,686.92	1,311.68	2,731.68	1,392.80
5,043.13	765.09	10,061.81	7,177.93	295.88	1,385.36	881.47
4,205.93	664.58	10,052.63	2,282.12	355.95	156.00	623.93
3,092.54			1,380.00			348.22
97,124.09	27,782.13	231,337.64	105,692.67	6,262.10	13,708.19	11,960.11
527.98	408.08	13,761.98	1,403.44	2,947.27	4,120.87	2,334.32
2,000.00	5,000.00	9,000.00	6,800.00		4,500.00	
5,143.00	958.09	1,437.10	9,867.51	398.54	953.20	1,128.19
3,527.88			5,886.14			
103,199.27	43,857.36	145,326.44	45,458.13	6,336.97	7,858.41	4,624.01
						119.36
211,522.22	78,005.66	400,863.16	175,107.89	15,944.88	31,140.67	20,165.99
211,522.22	78,005.66	400,863.16	175,107.89	15,944.88	31,140.67	20,165.99
2,207.26		39,592.71			1,107.78	700.00
107.77	124.86	979.89	242.13	150.90	290.43	.71
399.72	15.00	6,962.87	290.00		149.52	40.00
2,714.75	139.86	47,535.47	532.13	150.90	1,457.73	740.71
103,199.27	43,857.36	145,326.44	45,458.13	6,336.97	7,858.41	4,624.01
22,422.68	7,772.43	70,357.61	42,370.38	3,416.93	4,460.30	4,550.91
318.98		980.16	2,005.59		100.00	
125,940.93	51,629.79	216,664.21	89,834.10	9,753.90	12,418.71	9,174.92
30,839.15	9,500.00	87,407.29	22,295.22	4,500.00	3,202.22	9,054.39
52,027.39	16,736.01	49,256.19	62,446.44	1,540.08	14,062.01	1,195.97
82,866.54	26,236.01	136,663.48	84,741.66	6,040.08	17,264.23	10,250.36
211,522.22	78,005.66	400,863.16	175,107.89	15,944.88	31,140.67	20,165.99
2.5	0.4	18.6	0.4	1.6	6.3	4.8

# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality . . . . .	New Hamburg 1,446	New Toronto 7,175	Niagara Falls 18,770	Niagara-on the-Lake 1,764	North York Twp.
Population . . . . .					
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .	2,513.19	44,820.06	130,520.52	2,307.35	28,797.82
Substation equipment . . . . .	1,217.05		230,899.67	17,035.74	
Distribution system—overhead . . . . .	24,951.89	91,900.31	199,021.06	35,754.94	451,158.77
Distribution system—underground . . . . .		8,605.69			
Line transformers . . . . .	8,382.96	41,938.42	183,346.88	12,115.14	130,042.20
Meters . . . . .	9,625.08	39,018.10	118,989.33	9,990.83	82,775.61
Street light equipment, regular . . . . .	2,248.20	14,087.35	120,090.03	3,557.57	156.00
Street light equipment, ornamental . . . . .					13,491.21
Miscellaneous construction expense . . . . .	780.08	7,810.53	23,706.52	2,691.75	24,984.31
Steam or hydraulic plant . . . . .					
Old plant . . . . .	5,242.56		18,305.17		
Total plant . . . . .	54,961.01	248,180.46	1,024,879.18	83,453.32	731,405.92
Bank and cash balance . . . . .	25.00	28,917.66	45,178.55	1,272.21	22,571.70
Securities and investments . . . . .	8,000.00	7,000.00	90,000.00	3,000.00	
Accounts receivable . . . . .	2,192.10	8,435.92	4,239.07	3,754.23	12,191.73
Inventories . . . . .	568.12	3,187.51	11,439.87	2,319.05	256.04
Sinking fund on local debentures . . . . .					
Equity on H-E.P.C. systems . . . . .	50,345.75	456,630.38	582,348.01	31,866.13	151,226.34
Other assets . . . . .			1,099.15		
Total assets . . . . .	116,091.98	752,350.93	1,759,183.83	125,664.94	917,651.73
Deficit . . . . .					
Total . . . . .	116,091.98	752,350.93	1,759,183.83	125,664.94	917,651.73
<b>LIABILITIES</b>					
Debenture balance . . . . .		1,417.20	138,493.53	13,033.22	312,111.66
Accounts payable . . . . .	5.00	369.35	3,695.15	688.70	3,493.64
Bank overdraft . . . . .	1,509.90				
Other liabilities . . . . .	171.50	7,596.12	17,490.54	264.80	25,012.64
Total liabilities . . . . .	1,686.40	9,382.67	159,679.22	13,986.72	340,617.94
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	50,345.75	456,630.38	582,348.01	31,866.13	151,226.34
For depreciation . . . . .	17,185.26	69,008.36	276,627.28	18,690.16	127,443.64
Other reserves . . . . .	33.83	1,431.92	12,992.56	1,089.49	2,905.44
Total reserves . . . . .	67,564.84	527,070.66	871,967.85	51,645.78	281,575.42
<b>SURPLUS</b>					
Debentures paid . . . . .	17,729.08	6,582.80	551,749.47	23,468.20	209,541.79
Local sinking fund . . . . .					
Operating surplus . . . . .	29,111.66	209,314.80	175,787.29	36,564.24	85,916.58
Total surplus . . . . .	46,840.74	215,897.60	727,536.76	60,032.44	295,458.37
Total liabilities, reserves and surplus . . . . .	116,091.98	752,350.93	1,759,183.83	125,664.94	917,651.73
Percentage of net debt to total assets . . . . .	2.6	3.2	13.6	14.9	43.4



## “A”—Continued

## Hydro Municipalities as at December 31, 1940

Norwich 1,302	Oil Springs 515	Otterville P.V.	Palmerston 1,393	Paris 4,409	Parkhill 1,022	Petrolia 2,772
\$ c. 4,660.42	\$ c. 6,299.16	\$ c.	\$ c.	\$ c. 8,781.50	\$ c.	\$ c. 900.00
11,510.46	14,498.54	8,613.94	1,346.28 33,031.07	28,126.55 56,629.21	17,912.29	5,956.75 50,148.23
6,847.08	5,792.25	4,513.89	11,352.35	24,969.11	6,251.04	32,983.68
8,120.22	3,840.41	3,112.17	8,259.88	21,169.91	4,735.05	17,160.26
4,685.64	308.24	1,634.79	6,780.70	14,084.12	1,005.89	6,388.85
1,962.37	1,790.30	142.00	1,407.78	1,980.68	1,500.36	6,718.06
3,509.82			4,018.71			3,389.94
41,296.01	32,528.90	18,016.79	66,196.77	155,741.08	31,404.63	123,645.77
2,605.45	2,438.18	2,990.12	2,578.48	10,273.09	455.01	1,462.21
5,000.00	440.54			33,500.00	4,000.00	14,400.00
4,113.48	1,036.17	1,986.20	1,958.75	978.12	1,673.54	6,113.85
3,055.01	115.82		2,027.33	106.97		206.02
37,370.83	25,333.44	9,033.30	43,946.64 2,633.29	114,501.88	19,407.00	103,674.76
93,440.78	61,893.05	32,026.41	119,341.26	315,101.14	56,940.18	249,502.61
93,440.78	61,893.05	32,026.41	119,341.26	315,101.14	56,940.18	249,502.61
1,191.87			826.18	3,386.42	772.60	10,283.64
116.94	11.61	267.54	3,560.28	8.64	322.09	570.88
258.82	46.09	43.88	324.56		105.00	999.56
1,567.63	57.70	311.42	4,711.02	3,395.06	1,199.69	11,854.08
37,370.83	25,333.44	9,033.30	43,946.64	114,501.88	19,407.00	103,674.76
9,378.34	9,653.35	6,470.08	10,400.39	80,777.78	8,569.68	40,713.87
759.13	90.03		420.07	110.66		454.55
47,508.30	35,076.82	15,503.38	54,767.10	195,390.32	27,876.68	144,843.18
12,564.13	16,721.31	4,500.00	26,173.82	88,613.58	13,857.42	39,716.36
31,800.72	10,037.22	11,711.61	33,689.32	27,702.18	13,906.39	53,088.99
44,364.85	26,758.53	16,211.61	59,863.14	116,315.76	27,763.81	92,805.35
93,440.78	61,893.05	32,026.41	119,341.26	315,101.14	56,940.18	249,502.61
2.8	0.2	1.4	6.2	16.9	3.2	8.1

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality .....	Plattsville	Point Edward	Port Colborne	Port Credit	Port Dalhousie
Population .....	P.V.	1,175	6,483	1,906	1,595
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings .....			29,092.68	675.00	
Substation equipment .....					
Distribution system—overhead .....	4,515.78	22,060.45	94,509.70	33,136.83	21,864.93
Distribution system—underground .....					
Line transformers .....	2,359.26	7,633.43	30,893.91	13,116.10	14,354.83
Meters .....	2,203.91	5,830.39	26,429.17	12,372.54	11,362.81
Street light equipment, regular .....	158.29	3,223.07	4,983.41	5,169.65	1,041.19
Street light equipment, ornamental .....			16,611.59		
Miscellaneous construction expense .....	625.02	1,001.89	7,681.02	2,759.06	2,925.60
Steam or hydraulic plant .....					
Old plant .....			9,929.60		6,018.38
Total plant .....	9,862.26	39,749.23	220,131.08	67,229.18	57,567.74
Bank and cash balance .....	3,150.84	1,244.96	11,880.08	2,703.74	65.00
Securities and investments .....	2,000.00	13,000.00	12,500.00		3,000.00
Accounts receivable .....	731.94	4,383.02	21,059.81	3,651.10	5,436.85
Inventories .....		581.86	4,851.57		
Sinking fund on local debentures .....					4,937.34
Equity in H-E.P.C. systems .....	9,255.14	60,672.83	99,465.26	41,399.17	36,643.47
Other assets .....					
Total assets .....	25,000.18	119,631.90	369,887.80	114,983.19	107,650.40
Deficit .....					
Total .....	25,000.18	119,631.90	369,887.80	114,983.19	107,650.40
LIABILITIES					
Debenture balance .....	1,208.35	3,021.22	38,079.66	3,575.42	5,799.26
Accounts payable .....	640.17	3.98	220.76	4,642.73	2,261.41
Bank overdraft .....					896.29
Other liabilities .....		407.93	19,826.05	774.20	310.00
Total liabilities .....	1,848.52	3,433.13	58,126.47	8,992.35	9,266.96
RESERVES					
For equity in H-E.P.C. systems .....	9,255.14	60,672.83	99,465.26	41,399.17	36,643.47
For depreciation .....	4,107.87	15,678.83	57,788.26	20,900.17	8,595.48
Other reserves .....		116.45	3,452.07	505.75	895.38
Total reserves .....	13,363.01	76,468.11	160,705.59	62,805.09	46,134.33
SURPLUS					
Debentures paid .....	4,028.65	13,978.78	107,920.34	10,924.58	16,700.74
Local sinking fund .....					4,937.34
Operating surplus .....	5,760.00	25,751.88	43,135.40	32,261.17	30,611.03
Total surplus .....	9,788.65	39,730.66	151,055.74	43,185.75	52,249.11
Total liabilities, reserves and surplus .....	25,000.18	119,631.90	369,887.80	114,983.19	107,650.40
Percentage of net debt to total assets .....	11.7	6.0	16.4	12.2	6.6

## "A"—Continued

## Hydro Municipalities as at December 31, 1940

Port Dover 1,864	Port Rowan 706	Port Stanley *824	Preston 6,292	Princeton P.V.	Queenston P.V.	Richmond Hill 1,317
\$ c. 248.75	\$ c.	\$ c. 1,574.60	\$ c.	\$ c.	\$ c.	\$ c.
35,668.33	10,233.74	27,095.19	56,955.28 91,129.81	4,391.26	8,571.83	600.00 11,467.27
13,211.68	1,883.34	13,298.52	50,818.82	3,073.16	3,281.64	10,152.03
10,427.64	2,549.52	11,565.06	40,933.89	1,453.72	1,800.22	6,580.25
2,723.08	940.33	2,091.66	5,510.44	207.93	435.63	1,334.77
3,772.69	724.95	7,154.71	8,773.43	107.07	2,579.57	911.37
		577.51	32,126.75			
66,052.17	16,331.88	63,357.25	286,248.42	9,233.14	16,668.89	31,045.69
3,380.22	1,636.18	1,789.53	19,689.92	4,832.58	1,701.60	2,248.85
2,936.02	4,000.00	8,000.00				
58.77	585.55	1,936.29	12,988.86 5,022.78	652.10	607.76	1,296.24 93.24
26,309.63	6,915.77	41,169.42	263,600.09	9,495.07	7,041.01	19,995.85
20.00				25.00		
98,756.81	29,469.38	116,252.49	587,550.07	24,237.89	26,019.26	54,679.87
98,756.81	29,469.38	116,252.49	587,550.07	24,237.89	26,019.26	54,679.87
	5,353.67	384.10	20,293.89	819.00	1,513.72	886.18
1,974.44	1.13	99.70	7,879.33	188.52		402.71
704.00	220.00	355.00	914.77		55.00	478.50
2,678.44	5,574.80	838.80	29,087.99	1,007.52	1,568.72	1,767.39
26,309.63	6,915.77	41,169.42	263,600.09	9,495.07	7,041.01	19,995.85
15,351.45	4,207.87	15,889.78	138,006.09	2,816.55	4,561.92	2,438.36
		75.23	559.22			69.37
41,661.08	11,123.64	57,134.43	402,165.40	12,311.62	11,602.93	22,503.58
29,000.00	5,646.33	18,565.90	132,506.11	2,731.00	7,986.28	11,313.82
25,417.29	7,124.61	39,713.36	23,790.57	8,187.75	4,861.33	19,095.08
54,417.29	12,770.94	58,279.26	156,296.68	10,918.75	12,847.61	30,408.90
98,756.81	29,469.38	116,252.49	587,550.07	24,237.89	26,019.26	54,679.87
3.7	24.7	1.1	9.0	6.8	8.3	5.0

\*Summer population 4,500.



# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality.....	Ridgetown	Riverside	Rockwood	Rodney	St. Catharines
Population.....	1,981	5,086	P.V.	763	27,756
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....	3,104.39	8,805.77	79.00		57,699.01
Substation equipment.....	1,024.24				154,370.18
Distribution system—overhead.....	23,959.58	91,840.85	8,896.47	12,140.15	277,888.97
Distribution system—underground.....					
Line transformers.....	10,591.34	31,701.24	3,490.91	3,595.57	183,184.18
Meters.....	10,252.26	25,312.92	3,345.63	3,938.71	122,538.34
Street light equipment, regular.....	6,234.49		723.03	3,533.02	21,530.33
Street light equipment, ornamental.....	1,431.73	18,288.59			29,486.71
Miscellaneous construction expense.....	1,324.22	6,658.85	558.63	871.59	28,927.20
Steam or hydraulic plant.....					
Old plant.....	5,088.46			700.00	37,507.89
<b>Total plant.....</b>	<b>63,010.71</b>	<b>182,608.22</b>	<b>17,093.67</b>	<b>24,779.04</b>	<b>913,132.81</b>
Bank and cash balance.....	841.38	6,491.85	450.82	1,097.89	16,251.11
Securities and investments.....	7,000.00	10,000.00	1,000.00	1,200.00	57,000.00
Accounts receivable.....	2,343.43	11,992.54	449.71	1,044.22	58,794.06
Inventories.....	329.04	564.40	209.05		10,996.00
Sinking fund on local debentures.....					97,703.97
Equity in H-E.P.C. systems.....	43,262.80	82,931.61	11,441.19	13,727.62	606,105.83
Other assets.....					236.68
<b>Total assets.....</b>	<b>116,787.36</b>	<b>294,588.62</b>	<b>30,644.44</b>	<b>41,848.77</b>	<b>1,760,220.46</b>
Deficit.....					
<b>Total.....</b>	<b>116,787.36</b>	<b>294,588.62</b>	<b>30,644.44</b>	<b>41,848.77</b>	<b>1,760,220.46</b>
<b>LIABILITIES</b>					
Debenture balance.....	3,213.46	20,430.93	1,666.32		152,750.00
Accounts payable.....	977.09	4,141.24	254.34		97,224.65
Bank overdraft.....					
Other liabilities.....	2,163.21	20,655.78	111.00	270.00	29,814.21
<b>Total liabilities.....</b>	<b>6,353.76</b>	<b>45,227.95</b>	<b>2,022.66</b>	<b>270.00</b>	<b>279,788.86</b>
<b>RESERVES</b>					
For equity in H-E.P.C. systems.....	43,262.80	82,931.61	11,441.19	13,727.62	606,105.83
For depreciation.....	17,737.51	43,238.00	6,100.59	3,233.80	264,825.54
Other reserves.....	270.63	3,141.71		70.04	8,918.92
<b>Total reserves.....</b>	<b>61,270.94</b>	<b>129,311.32</b>	<b>17,541.78</b>	<b>17,031.46</b>	<b>879,850.29</b>
<b>SURPLUS</b>					
Debentures paid.....	16,242.53	62,069.07	2,833.68	8,500.00	149,272.91
Local sinking fund.....					97,703.97
Operating surplus.....	32,920.13	57,980.28	8,246.32	16,047.31	353,604.43
<b>Total surplus.....</b>	<b>49,162.66</b>	<b>120,049.35</b>	<b>11,080.00</b>	<b>24,547.31</b>	<b>600,581.31</b>
<b>Total liabilities, reserves and surplus.....</b>	<b>116,787.36</b>	<b>294,588.62</b>	<b>30,644.44</b>	<b>41,848.77</b>	<b>1,760,220.46</b>
Percentage of net debt to total assets.....	6.8	14.0	10.5	1.0	20.8

## "A"—Continued

## Hydro Municipalities as at December 31, 1940

St. Clair Beach *133	St. George P.V.	St. Jacobs P.V.	St. Marys 4,018	St. Thomas 16,362	Sarnia 18,218	Scarboro Twp.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,351.05	6,096.83	7,184.73	18,538.13 30,433.14 63,459.66	78,779.06 140,221.75 112,038.02 52,815.87	119,198.60 207,328.77 230,196.83	17,273.95 301.95 310,329.15
2,880.61	4,038.89	4,461.56	24,076.72	65,869.86	81,005.79	78,907.35
1,759.45	3,513.85	3,394.76	25,218.03	76,991.87	80,245.24	77,042.20
	337.24	396.19	6,535.05	22,238.77	27,521.38	21,280.05
				3,693.04	8,271.83	
196.12	374.18	564.18	10,545.23	24,959.71	26,345.13	8,105.81
			20,696.85		55,445.72	
13,187.23	14,360.99	16,001.42	199,502.81	577,607.95	835,559.29	513,240.46
2,294.97	2,386.16	1,299.23	3,203.72	6,827.79	35,042.06	55,687.89
	1,500.00	3,00.00	3,000.00	57,000.00	100,000.00	34,875.00
340.78	115.10	713.39	3,858.62	17,573.25	34,892.81	21,207.11
			921.70	10,324.87	22,234.91	
			2,171.85			
6,884.45	14,298.84	16,507.17	134,689.05	501,254.59 4,781.00	630,494.15	190,289.32
22,707.43	32,661.09	37,521.21	347,347.75	1,175,369.45	1,658,223.22	815,299.78
22,707.43	32,661.09	37,521.21	347,347.75	1,175,369.45	1,658,223.22	815,299.78
573.45	1,456.82		22,561.43	1,762.44	11,732.35	80,358.39
587.70			470.26	19,255.69	3.18	11,423.11
86.59	176.24		537.00	14,887.85	16,006.48	36,894.96
1,247.74	1,633.06		23,568.69	35,905.98	27,742.01	128,676.46
6,884.45	14,298.84	16,507.17	134,689.05	501,254.59	630,494.15	190,289.32
4,412.10	3,242.15	3,116.62	69,876.42	176,729.16	215,992.49	136,845.16
49.50			798.90	1,192.60	1,824.54	723.00
11,346.05	17,540.99	19,623.79	205,364.37	679,176.35	848,311.18	327,857.48
5,768.00	4,543.18	6,000.00	91,685.59	137,181.63	326,267.65	210,209.88
			2,171.85			
4,345.64	8,943.86	11,897.42	24,557.25	323,105.49	455,902.38	148,555.96
10,113.64	13,487.04	17,897.42	118,414.69	460,287.12	782,170.03	358,765.84
22,707.43	32,661.09	37,521.21	347,347.75	1,175,369.45	1,658,223.22	815,299.78
8.0	8.9	0.0	11.1	4.9	1.9	20.5

\*Summer population 400.

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Seaforth	Simcoe	Springfield	Stamford Twp.	Stouffville
Population.....	1,771	6,263	395		1,192
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	1,836.39	10,701.89		7,572.14	
Substation equipment.....	5,999.16	41,527.90		38,143.09	
Distribution system—overhead.....	32,252.11	58,258.73	10,104.51	144,726.02	13,959.73
Distribution system—underground		1,412.24			
Line transformers.....	11,971.27	40,299.19	3,145.76	52,775.33	5,097.79
Meters.....	9,782.64	34,610.25	2,168.55	39,076.27	5,504.67
Street light equipment, regular....	5,789.27	8,267.15	609.47	10,192.11	1,613.55
Street light equipment, ornamental		3,500.00			
Miscellaneous construction expense	1,413.74	6,640.29	685.08	10,472.04	680.56
Steam or hydraulic plant.....					
Old plant.....		927.92		13,743.66	
Total plant.....	69,044.58	206,145.56	16,713.37	316,700.66	26,856.30
Bank and cash balance.....	3,520.62	14,506.05	592.41	7,100.07	5,787.27
Securities and investments.....	100.00	25,000.00	2,000.00		8,000.00
Accounts receivable.....	1,971.50	3,820.01	1,150.27	22,353.97	2,072.49
Inventories.....	1,714.93	4,385.00		6,936.15	
Sinking fund on local debentures					
Equity in H-E.P.C. systems.....	62,103.34	108,569.15	9,306.02	98,893.39	16,892.38
Other assets.....			20.00	108.25	
Total assets.....	138,454.97	362,425.77	29,782.07	452,092.49	59,608.44
Deficit.....					
Total.....	138,454.97	362,425.77	29,782.07	452,092.49	59,608.44
<b>LIABILITIES</b>					
Debenture balance.....		29,476.94	2,139.84	84,159.40	
Accounts payable.....	85.81	293.18	10.58	774.77	280.25
Bank overdraft.....					
Other liabilities.....	315.97	4,008.00		5,148.47	182.50
Total liabilities.....	401.78	33,778.12	2,150.42	90,082.64	462.75
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	62,103.34	108,569.15	9,306.02	98,893.39	16,892.38
For depreciation.....	24,805.59	31,734.14	2,408.61	63,205.83	4,973.79
Other reserves.....	333.66	15,000.00		3,788.94	60.00
Total reserves.....	87,242.59	155,303.29	11,714.63	165,888.16	21,926.17
<b>SURPLUS</b>					
Debentures paid.....	25,000.00	45,957.96	7,360.16	156,118.77	14,673.90
Local sinking fund.....					
Operating surplus.....	25,810.60	127,386.40	8,556.86	40,002.92	22,545.62
Total surplus.....	50,810.60	173,344.36	15,917.02	196,121.69	37,219.52
Total liabilities, reserves and surplus.	138,454.97	362,425.77	29,782.07	452,092.49	59,608.44
Percentage of net debt to total assets.	0.5	12.0	10.5	25.5	1.1



## "A"—Continued

## Hydro Municipalities as at December 31, 1940

Stratford 17,159	Strathroy 2,806	Streets- ville 697	Sutton 853	Swansea 6,375	Tavistock 1,080	Tecumseh 2,237	Thames- ford P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
141,455.78	8,856.05	8,466.99			3,594.21	1,018.51	
131,638.26	23,640.34	1,172.04					
158,146.56	50,389.39	9,103.88	21,007.17	74,422.07	13,879.14	35,607.34	7,757.33
22,971.15							
104,867.14	23,445.05	6,091.61	8,275.06	46,637.26	9,670.45	11,194.67	3,600.32
86,521.30	18,296.75	3,671.62	6,760.14	34,392.35	6,355.46	11,753.51	3,357.51
25,785.92	6,193.39	1,429.74	1,932.90	7,876.51	1,102.93		298.97
						4,760.95	
34,354.90	4,814.39	743.22	1,953.49	6,002.46	1,420.01	2,328.15	445.36
		10,641.55					
31,520.00	12,343.15		675.00				
737,261.01	147,978.51	41,320.65	40,603.76	169,330.65	36,022.20	66,663.13	15,459.49
42,171.25	5,364.67	2,547.80	2,009.24	9,471.87	683.01	3,929.14	47.56
90,000.00	19,000.00		2,000.00	5,000.00	2,000.00		7,500.00
21,005.51	5,730.76	1,405.30	4,420.44	10,114.78	2,148.25	1,563.67	480.58
12,382.53	3,048.92			23.50	483.12		
197,112.36							
607,011.67	89,618.15	2,449.47	16,616.33	79,690.89	45,803.78	26,220.69	17,277.84
1,980.29							
1,708,924.62	270,741.01	47,723.22	65,649.77	273,631.69	87,140.36	98,376.63	40,765.47
1,708,924.62	270,741.01	47,723.22	65,649.77	273,631.69	87,140.36	98,376.63	40,765.47
255,000.00	21,918.41	11,120.12	4,547.07	68,039.73	1,981.16	2,789.43	582.65
1,001.69	367.15	56.49	142.08	3,030.84	111.67	988.95	
5,282.59	961.09	203.87		4,461.36		5,635.86	77.00
261,284.28	23,246.65	11,380.48	4,689.15	75,531.93	2,092.83	9,414.24	659.65
607,011.67	89,618.15	2,449.47	16,616.33	79,690.89	45,803.78	26,220.69	17,277.84
325,032.71	41,181.33	4,552.79	10,240.35	50,823.66	13,287.81	15,923.40	6,178.42
4,209.03	1,109.42	75.00	72.67	165.85		479.71	
936,253.41	131,908.90	7,077.26	26,929.35	130,680.40	59,091.59	42,623.80	23,456.26
200,800.00	44,313.59	6,424.96	21,452.93	34,627.23	4,018.84	23,210.57	4,775.38
197,112.36							
113,474.57	71,271.87	22,840.52	12,578.34	32,792.13	21,937.10	23,128.02	11,874.18
511,386.93	115,585.46	29,265.48	34,031.27	67,419.36	25,955.94	46,338.59	16,649.56
1,708,924.62	270,741.01	47,723.22	65,649.77	273,631.69	87,140.36	98,376.63	40,765.47
7.1	13.0	25.1	9.6	38.9	5.1	6.9	2.8

**STATEMENT**

**Balance Sheets of Electrical Departments of**

**NIAGARA  
SYSTEM—Continued**

Municipality . . . . .	Thames- ville 826	Thedford 648	Thorn- dale P.V.	Thorold 5,038	Tilbury 1,989
Population . . . . .					
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .	681.69			10,263.37	1,143.89
Substation equipment . . . . .					
Distribution system—overhead . . . . .	12,901.20	9,724.73	3,750.28	42,077.98	17,156.62
Distribution system—underground . . . . .					
Line transformers . . . . .	5,364.88	3,620.28	1,870.70	20,824.69	13,560.71
Meters . . . . .	4,298.75	2,752.45	1,912.38	22,699.91	7,804.59
Street light equipment, regular . . . . .	2,267.33	903.22	181.19	3,211.83	1,080.92
Street light equipment, ornamental . . . . .					
Miscellaneous construction expense . . . . .	538.20	1,530.81	310.45	3,514.20	1,782.65
Steam or hydraulic plant . . . . .				13,313.74	
Old plant . . . . .	4,445.68	433.78		3,800.00	3,049.47
<b>Total plant . . . . .</b>	<b>30,497.73</b>	<b>18,965.27</b>	<b>8,025.00</b>	<b>119,705.72</b>	<b>45,578.85</b>
Bank and cash balance . . . . .	2,337.79	2,540.98	2,228.20	18,500.55	11,273.56
Securities and investments . . . . .	7,500.00	4,000.00		27,000.00	10,000.00
Accounts receivable . . . . .	1,181.39	1,082.56	1,175.15	707.19	1,951.94
Inventories . . . . .				2,896.90	7.67
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	17,718.20	9,606.57	8,609.26	102,236.85	46,942.44
Other assets . . . . .				34.36	
<b>Total assets . . . . .</b>	<b>59,235.11</b>	<b>36,195.38</b>	<b>20,037.61</b>	<b>271,081.57</b>	<b>115,754.46</b>
Deficit . . . . .					
<b>Total . . . . .</b>	<b>59,235.11</b>	<b>36,195.38</b>	<b>20,037.61</b>	<b>271,081.57</b>	<b>115,754.46</b>
<b>LIABILITIES</b>					
Debenture balance . . . . .		1,357.05	688.78		2,485.38
Accounts payable . . . . .	58.21	197.69	.32	872.30	112.08
Bank overdraft . . . . .					
Other liabilities . . . . .	351.00	27.31	60.57	2,394.63	202.18
<b>Total liabilities . . . . .</b>	<b>409.21</b>	<b>1,582.05</b>	<b>749.67</b>	<b>3,266.93</b>	<b>2,799.64</b>
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	17,718.20	9,606.57	8,609.26	102,236.85	46,942.44
For depreciation . . . . .	10,567.54	4,939.56	4,306.53	37,218.64	17,088.23
Other reserves . . . . .	157.94		22.88		136.72
<b>Total reserves . . . . .</b>	<b>28,443.68</b>	<b>14,546.13</b>	<b>12,938.67</b>	<b>139,455.49</b>	<b>64,167.39</b>
<b>SURPLUS</b>					
Debentures paid . . . . .	11,187.80	15,142.95	2,397.70	5,000.00	11,514.62
Local sinking fund . . . . .					
Operating surplus . . . . .	19,194.42	4,924.25	3,951.57	123,359.15	37,272.81
<b>Total surplus . . . . .</b>	<b>30,382.22</b>	<b>20,067.20</b>	<b>6,349.27</b>	<b>128,359.15</b>	<b>48,787.43</b>
<b>Total liabilities, reserves and surplus . . . . .</b>	<b>59,235.11</b>	<b>36,195.38</b>	<b>20,037.61</b>	<b>271,081.57</b>	<b>115,754.46</b>
Percentage of net debt to total assets . . . . .	1.0	6.0	6.6	1.9	4.1

## "A"—Continued

## Hydro Municipalities as at December 31, 1940

Tillsonburg 4,376	Toronto 649,123	Toronto Twp. 7,283.72	Trafalgar Twp. Area No. 1 23,563.89	Trafalgar Twp. Area No. 2 12,118.56	Wallaceburg 4,783	Wardsville 233
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
4,824.27	5,510,597.99	7,283.72			45,473.22	
21,512.61	14,684,593.70				11,425.11	
50,454.35	6,850,748.62	203,837.15	23,563.89	12,118.56	61,908.49	5,259.56
	4,171,167.83					
22,050.81	3,529,630.43	77,540.20	10,237.65	2,505.54	38,827.51	1,501.32
22,560.77	3,011,561.36	42,403.07	5,516.81	1,674.86	23,317.42	1,323.79
12,306.00	506,348.48	5,127.78			11,504.94	655.44
4,969.33	2,550,086.99	5,764.97	2,203.58	336.66	4,525.99	500.73
		619.65			20,941.07	193.94
138,678.14	40,814,735.40	342,576.54	41,521.93	16,635.62	217,923.75	9,434.78
11,726.96	2,414,773.30	10,484.56	2,852.36	1,646.87	7,600.64	
3,000.00	991,208.32	10,000.00	4,500.00	6,000.00	20,000.00	1,000.00
6,338.45	2,231,834.29	3,192.41	319.62	353.78	16,622.94	2,091.11
4,374.26	678,580.52				8,627.48	
	3,350,737.86					
89,180.87	19,052,706.83	113,210.34	4,845.88	1,526.90	189,271.52	3,711.50
	150.00					
253,298.68	69,534,726.52	479,463.85	54,039.79	26,163.17	460,046.33	16,237.39
253,298.68	69,534,726.52	479,463.85	54,039.79	26,163.17	460,046.33	16,237.39
11,468.70	11,773,750.02	21,279.28	4,515.20	8,726.32	20,328.93	657.82
140.10	1,587,791.79	2,506.80	306.06	270.09	161.97	.04
3,771.81	150,627.00	3,347.70			2,564.37	8.71
15,380.61	13,512,168.81	27,133.78	4,821.26	8,996.41	23,055.27	666.57
89,180.87	19,052,706.83	113,210.34	4,845.88	1,526.90	189,271.52	3,711.50
35,711.75	10,096,596.24	138,474.69	19,239.80	3,554.15	59,020.89	3,576.75
827.61	1,270,428.47	1,000.00			1,561.87	25.22
125,720.23	30,419,731.54	252,685.03	24,085.68	5,081.05	249,854.28	7,313.47
34,531.30	19,017,844.34	82,720.72	14,911.21	734.83	51,207.65	6,904.58
77,666.54	3,350,737.86					
	3,234,243.97	116,924.32	10,221.64	11,350.88	135,929.13	1,352.77
112,197.84	25,602,826.17	199,645.04	25,132.85	12,085.71	187,136.78	8,257.35
253,298.68	69,534,726.52	479,463.85	54,039.79	26,163.17	460,046.33	16,237.39
9.4	21.5	7.4	9.8	36.5	8.5	5.3



# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality.....	Water- down 892	Water- ford 1,284	Waterloo 8,623	Watford 970	Welland 11,205
Population.....					
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	200.00	1,273.13	15,166.17		75,866.71
Substation equipment.....			79,251.93		134,352.65
Distribution system—overhead.....	16,324.27	16,610.65	97,512.14	17,713.81	144,346.35
Distribution system—underground.....					8,069.90
Line transformers.....	7,232.38	8,363.39	52,544.06	7,741.62	69,226.40
Meters.....	6,030.35	7,110.17	41,435.72	5,751.25	64,681.94
Street light equipment, regular.....	981.61	3,231.62	14,218.91	2,423.52	6,030.39
Street light equipment, ornamental.....			3,106.80		36,513.75
Miscellaneous construction expense.....	31.85	873.78	6,885.98	2,198.56	12,094.38
Steam or hydraulic plant.....					
Old plant.....			23,880.17	657.44	49,497.19
Total plant.....	30,800.46	37,462.74	334,001.88	36,486.20	600,679.66
Bank and cash balance.....	7,824.60	2,150.53	6,818.58	690.94	21,923.40
Securities and investments.....		5,300.00	35,000.00	5,800.00	17,928.43
Accounts receivable.....	1,220.57	493.11	2,498.49	4,343.28	11,337.27
Inventories.....		173.44	1,222.96	228.83	16,763.99
Sinking fund on local debentures.....					*77,799.35
Equity in H-E.P.C. systems.....	22,799.06	32,471.51	264,534.75	23,675.99	308,925.07
Other assets.....					
Total assets.....	62,644.69	78,051.33	644,076.66	71,225.24	1,055,357.17
Deficit.....					
Total.....	62,644.69	78,051.33	644,076.66	71,225.24	1,055,357.17
LIABILITIES					
Debenture balance.....			2,349.81		114,876.89
Accounts payable.....		88.58	16.49	282.51	710.45
Bank overdraft.....					
Other liabilities.....	121.10		3,106.80	281.41	45,016.13
Total liabilities.....	121.10	88.58	5,473.10	563.92	160,603.47
RESERVES					
For equity in H-E.P.C. systems.....	22,799.06	32,471.51	264,534.75	23,675.99	308,925.07
For depreciation.....	7,769.45	13,333.86	145,637.08	10,608.81	160,898.40
Other reserves.....			385.26	120.16	3,279.08
Total reserves.....	30,568.51	45,805.37	410,557.09	34,404.96	473,102.55
SURPLUS					
Debentures paid.....	8,000.00	7,745.53	103,650.19	9,713.21	160,123.11
Local sinking fund.....					*77,799.35
Operating surplus.....	23,955.08	24,411.85	124,396.28	26,543.15	183,728.69
Total surplus.....	31,955.08	32,157.38	228,046.47	36,256.36	421,651.15
Total liabilities, reserves and surplus.....	62,644.69	78,051.33	644,076.66	71,225.24	1,055,357.17
Percentage of net debt to total assets.....	0.3	0.2	1.5	1.2	7.3

\*Interest improvement for 1938, 1939, 1940 not included.

## "A"—Continued

## Hydro Municipalities as at December 31, 1940

Wellesley P.V.	West Lorne 783	Weston 5,289	Wheatley 770	Windsor 102,680	Wood- bridge 914	Woodstock 11,418
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	.....	11,903.31	.....	502,443.91	.....	40,771.99
.....	.....	62,308.56	.....	1,088,155.93	.....	121,700.82
7,538.42	12,259.75	64,365.72	16,566.16	1,284,385.00	18,279.60	126,743.64
.....	.....	.....	.....	145,491.89	.....	.....
2,175.97	5,586.29	43,835.48	4,445.03	558,489.62	7,245.09	68,436.54
2,757.45	3,882.72	28,942.88	4,617.23	518,880.75	5,358.07	62,743.06
545.11	858.36	29,982.90	1,828.92	79,017.33	574.03	21,354.59
.....	.....	.....	.....	1,021,495.33	.....	.....
354.79	347.14	10,940.56	899.31	200,206.17	1,306.78	8,809.47
.....	.....	.....	.....	.....	.....	.....
.....	1,250.00	.....	2,569.50	166,440.66	.....	.....
.....	.....	.....	.....	.....	.....	.....
13,371.74	24,184.26	252,279.41	30,926.15	5,565,006.59	32,763.57	450,560.11
.....	.....	.....	.....	.....	.....	.....
2,577.91	1,733.18	2,579.21	1,834.03	70,365.04	1,518.79	18,908.95
2,000.00	3,000.00	.....	9,000.00	906,952.17	2,000.00	54,000.00
1,339.46	345.21	979.56	1,400.48	225,064.43	2,077.03	7,278.72
.....	41.82	388.99	194.02	163,269.01	.....	583.60
.....	.....	.....	.....	57,857.17	.....	16,432.54
16,481.37	25,299.40	238,498.52	13,674.53	3,059,756.58	31,317.16	404,172.48
.....	.....	.....	.....	.....	.....	33,518.12
.....	.....	.....	.....	.....	.....	.....
35,770.48	54,603.87	494,725.69	57,029.21	10,048,270.99	69,676.55	985,454.52
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
35,770.48	54,603.87	494,725.69	57,029.21	10,048,270.99	69,676.55	985,454.52
.....	.....	.....	.....	.....	.....	.....
.....	.....	12,217.45	2,934.89	723,300.78	2,497.43	17,400.00
.....	170.22	13,802.21	810.08	110,268.78	992.37	746.91
.....	.....	.....	.....	.....	.....	.....
.....	119.10	3,128.47	.....	1,109,772.18	554.51	8,062.55
.....	.....	.....	.....	.....	.....	.....
.....	289.32	29,148.13	3,744.97	1,943,341.74	4,044.31	26,209.46
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
16,481.37	25,299.40	238,498.52	13,674.53	3,059,756.58	31,317.16	404,172.48
4,303.62	9,446.26	45,264.52	7,132.29	1,222,462.67	10,654.00	209,899.73
.....	58.49	604.93	48.46	339,037.77	.....	17,795.56
.....	.....	.....	.....	.....	.....	.....
20,784.99	34,804.15	284,367.97	20,855.28	4,621,257.02	41,971.16	631,867.77
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
7,500.00	8,000.00	57,814.99	10,065.11	1,860,531.27	6,002.54	109,985.63
.....	.....	.....	.....	57,857.17	.....	16,432.54
7,485.49	11,510.40	123,394.60	22,363.85	1,565,283.79	17,658.54	200,959.12
.....	.....	.....	.....	.....	.....	.....
14,985.49	19,510.40	181,209.59	32,428.96	3,483,672.23	23,661.08	327,377.29
.....	.....	.....	.....	.....	.....	.....
35,770.48	54,603.87	494,725.69	57,029.21	10,048,270.99	69,676.55	985,454.52
.....	.....	.....	.....	.....	.....	.....
0.0	1.0	11.4	8.6	14.6	11.4	1.7

## STATEMENT

## Balance Sheets of Electrical Departments of

**NIAGARA  
SYSTEM—Concluded**

Municipality.....	Wyoming	York Twp.	Zurich	NIAGARA SYSTEM SUMMARY
Population.....	530		P.V.	
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....		15,232.90		9,354,182.71
Substation equipment.....		3,227.12		22,061,376.52
Distribution system—overhead.....	10,192.06	696,514.48	7,270.78	19,098,225.89
Distribution system—underground.....				5,739,990.63
Line transformers.....	1,508.00	1,507.68	2,237.83	9,149,666.90
Meters.....	2,894.58	127.20	2,627.51	7,830,665.20
Street light equipment, regular.....	336.65	51,167.61	471.82	1,985,335.90
Street light equipment, ornamental.....				1,534,320.08
Miscellaneous construction expense.....	874.32	37,514.84	385.75	3,760,284.91
Steam or hydraulic plant.....				23,955.29
Old plant.....			150.00	790,806.98
Total plant.....	15,805.61	805,291.83	13,143.69	81,328,811.01
Bank and cash balance.....	1,152.25	53,579.14	374.10	3,803,090.73
Securities and investments.....		8,800.00	6,000.00	3,381,927.73
Accounts receivable.....	318.71	126,401.66	1,386.77	3,977,513.09
Inventories.....		3,278.88		1,398,369.58
Sinking fund on local debentures.....				4,845,804.12
Equity in H-E.P.C. systems.....	8,322.86	647,170.08	13,289.12	45,609,455.14
Other assets.....		77,135.10		223,358.22
Total assets.....	25,599.43	1,721,656.69	34,193.68	144,568,329.62
Deficit.....				508.91
Total.....	25,599.43	1,721,656.69	34,193.68	144,568,838.53
<b>LIABILITIES</b>				
Debenture balance.....		159,057.77	2,219.45	18,056,138.41
Accounts payable.....	296.28	5,798.04	125.20	2,686,081.96
Bank overdraft.....				75,790.20
Other liabilities.....	50.00		15.00	2,803,304.80
Total liabilities.....	346.28	164,855.81	2,359.65	23,621,315.37
<b>RESERVES</b>				
For equity in H-E.P.C. systems.....	8,322.86	647,170.08	13,289.12	45,609,455.14
For depreciation.....	4,843.66	266,178.40	6,702.12	20,929,285.95
Other reserves.....				2,593,134.65
Total reserves.....	13,166.52	913,348.48	19,991.24	69,131,875.74
<b>SURPLUS</b>				
Debentures paid.....	9,700.00	330,316.88	3,372.16	31,964,825.54
Local sinking fund.....				4,845,804.12
Operating surplus.....	2,386.63	313,135.52	8,470.63	15,005,017.76
Total surplus.....	12,086.63	643,452.40	11,842.79	51,815,647.42
Total liabilities, reserves and surplus.....	25,599.43	1,721,656.69	34,193.68	144,568,838.53
Percentage of net debt to total assets.....	2.0	15.3	11.3	18.6



## "A"—Continued

## Hydro Municipalities as at December 31, 1940

GEORGIAN BAY  
SYSTEM

Alliston	Arthur	Barrie	Beaverton	Beeton	Bradford	Brechin
1,437	1,038	8,446	915	568	1,004	P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
675.73		16,536.84	499.50			
28,339.44	17,758.26	18,810.91		428.50	388.50	
		68,293.96	25,310.89	11,891.38	20,642.63	2,051.66
		66,437.67				
8,035.37	4,447.24	44,123.33	8,571.64	2,685.94	4,770.65	1,266.71
7,688.03	4,410.69	49,359.49	7,008.40	2,294.41	5,237.28	814.56
1,567.17	796.21	11,755.38	1,286.94	1,169.54	544.95	248.55
2,616.37	305.71	3,737.41	2,413.70	1,556.85	2,006.52	546.92
7,846.49	1,086.62		3,772.42			
56,768.60	28,804.73	279,054.99	48,863.49	20,026.62	33,590.53	4,928.40
7,477.41	1,719.08		3,777.71	5,284.48	1,620.78	1,249.34
			7,000.00		7,000.00	
1,418.94	755.69	21,284.72	1,092.19	113.20	1,339.55	950.80
7.85		3,234.06				
23,557.73	19,823.79	153,510.23	20,975.99	15,829.66	18,473.49	7,838.87
255.60	335.00	17,220.12	62.51			
89,486.13	51,438.29	474,304.12	81,771.89	41,253.96	62,024.35	14,967.41
	11,626.73			187.37		
89,486.13	63,065.02	474,304.12	81,771.89	41,441.33	62,024.35	14,967.41
13,439.58	11,257.01	11,115.75	1,971.53	6,306.62	10,702.39	1,292.55
110.62	200.85	17,456.67	2,357.45	252.44	120.93	35.07
		1,874.32				
150.60	335.00	11,661.06	582.78		175.00	14.85
13,700.80	11,792.86	42,107.80	4,911.76	6,559.06	10,998.32	1,342.47
23,557.73	19,823.79	153,510.23	20,975.99	15,829.66	18,473.49	7,838.87
20,000.27	17,705.38	98,773.23	16,067.87	10,112.00	13,597.90	2,298.10
75.00		400.00	200.00	247.23	200.00	117.35
43,633.00	37,529.17	252,683.46	37,243.86	26,188.89	32,271.39	10,254.32
26,560.42	13,742.99	54,249.93	13,028.47	8,693.38	14,497.61	1,918.37
5,591.91		125,262.93	26,587.80		4,257.03	1,452.25
32,152.33	13,742.99	179,512.86	39,616.27	8,693.38	18,754.64	3,370.62
89,486.13	63,065.02	474,304.12	81,771.89	41,441.33	62,024.35	14,967.41
20.8	37.3	13.1	8.1	25.8	25.3	18.8

## STATEMENT

## Balance Sheets of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality . . . . .	Canning- ton 705	Chats- worth 321	Chesley 1,743	Coldwater 606	Colling- wood 5,342
Population . . . . .					
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .		364.89	6,000.00	275.00	15,950.08
Substation equipment . . . . .			2,305.58		11,203.24
Distribution system—overhead . . . . .	11,811.10	5,279.25	23,344.88	9,413.42	53,281.72
Distribution system—underground . . . . .					
Line transformers . . . . .	5,088.34	1,939.05	7,852.60	3,426.86	19,161.96
Meters . . . . .	5,037.26	1,800.40	7,328.20	3,133.97	24,645.32
Street light equipment, regular . . . . .	988.37	529.17	1,454.65	775.02	2,940.72
Street light equipment, ornamental . . . . .					
Miscellaneous construction expense . . . . .	654.18	507.04	3,626.97	284.60	2,277.54
Steam or hydraulic plant . . . . .					
Old plant . . . . .	3,609.37				
Total plant . . . . .	27,188.62	10,419.80	51,912.88	17,308.87	129,460.58
Bank and cash balance . . . . .	2,339.73	429.60	15.00	1,262.68	1,354.52
Securities and investments . . . . .	1,000.00	1,500.00	5,000.00	4,000.00	24,000.00
Accounts receivable . . . . .	807.31	724.59	663.18	1,080.33	6,756.05
Inventories . . . . .	244.18		294.32		51.58
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	15,841.57	4,509.69	36,791.95	15,370.19	138,484.05
Other assets . . . . .			1,092.68	80.00	
Total assets . . . . .	47,421.41	17,583.68	95,770.01	39,102.07	300,106.78
Deficit . . . . .					
Total . . . . .	47,421.41	17,583.68	95,770.01	39,102.07	300,106.78
<b>LIABILITIES</b>					
Debenture balance . . . . .	2,894.20			1,299.33	
Accounts payable . . . . .	195.95	43.69	2,070.53	295.13	255.46
Bank overdraft . . . . .			678.43		
Other liabilities . . . . .	39.00	116.36		229.87	2,294.34
Total liabilities . . . . .	3,129.15	160.05	2,748.96	1,824.33	2,549.80
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	15,841.57	4,509.69	36,791.95	15,370.19	138,484.05
For depreciation . . . . .	12,464.47	3,648.15	21,361.24	10,179.29	62,614.20
Other reserves . . . . .	111.99			57.89	393.81
Total reserves . . . . .	28,418.03	8,157.84	58,153.19	25,607.37	201,492.06
<b>SURPLUS</b>					
Debentures paid . . . . .	12,105.80	5,400.00	27,500.00	5,700.67	38,183.42
Local sinking fund . . . . .					
Operating surplus . . . . .	3,768.43	3,865.79	7,367.86	5,969.70	57,881.50
Total surplus . . . . .	15,874.23	9,265.79	34,867.86	11,670.37	96,064.92
Total liabilities, reserves and surplus . . . . .	47,421.41	17,583.68	95,770.01	39,102.07	300,106.78
Percentage of net debt to total assets . . . . .	9.9	1.2	4.7	7.7	1.6

## "A"—Continued

## Hydro Municipalities as at December 31, 1940

Cookstown P.V.	Creemore 638	Dundalk 703	Durham 1,854	Elmvale P.V.	Elmwood P.V.	Flesherton 457
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
70.00			56.59	106.25		408.78
392.95			546.02	2,273.07		
9,670.54	7,669.57	8,515.79	22,975.90	9,600.26	5,121.63	5,938.38
2,535.85	3,676.20	4,226.90	8,824.34	3,821.64	1,100.67	2,646.59
2,444.25	3,262.37	3,087.55	7,951.28	3,811.51	1,219.59	2,447.69
919.69	358.56	1,203.31	1,545.06	447.17	372.71	737.26
1,549.66	97.20	290.21	1,365.25	500.84	1,093.62	1,094.15
			2,091.39			
17,582.94	15,063.90	17,323.76	45,355.83	20,560.74	8,908.22	13,272.85
4,454.75	1,817.80	1,749.23	1,684.26	1,443.92	896.78	2,433.85
3,000.00	3,000.00	3,000.00	8,500.00	5,500.00	3,000.00	4,000.00
887.20	921.53	375.28	780.26	445.37	167.43	313.07
		6.50	789.99			
5,449.94	12,133.47	12,805.92	31,646.48	15,413.47	4,181.99	6,754.40
			41.61			
31,374.83	32,936.70	35,260.69	88,798.43	43,363.50	17,154.42	26,774.17
31,374.83	32,936.70	35,260.69	88,798.43	43,363.60	17,154.42	26,774.17
3,988.65				846.66		1,549.00
1.70	147.36	1.39		94.10	42.65	586.91
95.00	222.00					
4,085.35	369.36	1.39		940.76	42.65	2,135.91
5,449.94	12,133.47	12,805.92	31,646.48	15,413.47	4,181.99	6,754.40
8,524.35	6,237.51	6,858.26	15,806.64	9,595.57	3,190.90	4,484.18
				8.01		345.24
13,974.29	18,370.98	19,664.18	47,453.12	25,017.05	7,372.89	11,583.82
9,511.35	2,823.61	5,955.96	25,800.00	6,153.34	7,200.00	5,151.00
3,803.84	11,372.75	9,639.16	15,545.31	11,252.35	2,538.88	7,903.44
13,315.19	14,196.36	15,595.12	41,345.31	17,405.69	9,738.88	13,054.44
31,374.83	32,936.70	35,260.69	88,798.43	43,363.50	17,154.42	26,774.17
15.8	1.8	0.0	0.0	3.4	0.3	10.7



## STATEMENT

## Balance Sheets of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality.....	Grand Valley 629	Graven- hurst 2,193	Hanover 3,235	Holstein P.V.	Huntsville 2,764
Population.....					
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	36.50	10,072.27	4,184.95		353.52
Substation equipment.....		10,986.03	9,271.19		647.30
Distribution system—overhead...	11,540.48	39,387.01	50,724.96	2,227.35	21,496.56
Distribution system—underground		1,941.77			
Line transformers.....	2,179.63	15,986.39	21,160.84	1,011.04	12,393.34
Meters.....	3,515.17	12,818.42	17,687.77	750.76	12,963.77
Street light equipment, regular....	1,051.12	4,472.25	2,350.30	170.44	7,255.73
Street light equipment, ornamental					
Miscellaneous construction expense	217.40	2,786.80	6,391.94	188.31	918.78
Steam or hydraulic plant.....					
Old plant.....		18,130.29	2,370.91		5,156.20
Total plant.....	18,540.30	116,581.23	114,142.86	4,347.90	61,185.20
Bank and cash balance.....	2,045.25	313.17	4,586.30	1,010.95	3,322.04
Securities and investments.....	5,128.60		30,273.69	1,500.00	9,500.00
Accounts receivable.....	449.61	6,432.91	1,987.88	149.40	1,515.10
Inventories.....		1,737.33	154.96		2,681.82
Sinking fund on local debentures.					
Equity in H-E.P.C. systems.....	12,306.58	28,956.02	83,031.19	2,736.95	59,945.50
Other assets.....		525.45	622.61		
Total assets.....	38,470.34	154,546.11	234,799.49	9,745.20	138,149.66
Deficit.....					
Total.....	38,470.34	154,546.11	234,799.49	9,745.20	138,149.66
<b>LIABILITIES</b>					
Debenture balance.....			1,430.96		
Accounts payable.....	782.86	14,676.94	496.19	20.00	1,656.45
Bank overdraft.....					
Other liabilities.....		748.00	429.70		919.07
Total liabilities.....	782.86	15,424.94	2,356.85	20.00	2,575.52
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	12,306.58	28,956.02	83,031.19	2,736.95	59,945.50
For depreciation.....	9,251.19	27,237.65	59,955.46	1,899.55	14,014.49
Other reserves.....		701.99			400.00
Total reserves.....	21,557.77	56,895.66	142,986.65	4,636.50	74,359.99
<b>SURPLUS</b>					
Debentures paid.....	11,000.00	63,968.41	86,069.04	2,762.05	21,133.54
Local sinking fund.....					
Operating surplus.....	5,129.71	18,257.10	3,386.95	2,326.65	40,080.61
Total surplus.....	16,129.71	82,225.51	89,455.99	5,088.70	61,214.15
Total liabilities, reserves and surplus.	38,470.34	154,546.11	234,799.49	9,745.20	138,149.66
Percentage of net debt to total assets.	2.9	12.3	1.5	0.3	3.3

## "A"—Continued

## Hydro Municipalities as at December 31, 1940

Kincardine 2,470	Kirkfield P.V.	Lucknow 1,015	Markdale 795	Meaford 2,759	Midland 6,600	Mildmay 756
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
6,531.80				1,144.18	19,983.57	
2,794.20			780.80	3,849.47	85,264.20	
44,262.24	5,179.43	20,854.06	10,895.79	33,069.36	98,316.41	6,219.92
12,585.59	757.90	6,894.97	5,564.50	8,899.68	26,908.36	1,877.31
12,312.96	737.11	5,317.31	4,231.88	9,171.89	39,699.15	2,997.95
6,016.81	379.00	1,509.55	1,390.15	3,341.29	19,278.84	577.24
5,202.89	234.11	2,328.13	602.38	2,516.46	3,541.77	875.01
			2,080.65	3,452.38		849.00
89,706.49	7,287.55	36,904.02	25,546.15	65,444.71	292,992.30	13,396.43
6,842.97	977.55	1,043.56	587.17		17,701.16	2,094.64
1,000.00		2,000.00	4,755.13	13,000.00	40,568.06	2,500.00
3,634.79	405.69	1,146.11	1,097.50	1,969.82	4,331.39	509.11
1,135.23				24.42	2,610.35	35.38
42,791.79	3,253.27	19,737.42	10,389.71	30,007.26	221,065.64	3,072.72
923.27				140.28	533.72	224.35
146,034.54	11,924.06	60,831.11	42,375.66	110,586.49	579,802.62	21,832.63
	1,445.30					
146,034.54	13,369.36	60,831.11	42,375.66	110,586.49	579,802.62	21,832.63
3,089.98		2,312.18	2,754.83	13,674.48		8,833.69
	332.81	83.99	84.08	108.93	10,965.17	25.30
				24.17		
4.00		10.00	22.00	1,194.21	919.11	
3,093.98	332.81	2,406.17	2,860.91	15,001.79	11,884.28	8,858.99
42,791.79	3,253.27	19,737.42	10,389.71	30,007.26	221,065.64	3,072.72
31,988.65	3,608.28	9,595.20	8,239.23	15,542.50	181,002.43	1,977.00
78.44	175.00			55.12	2,123.29	
74,858.88	7,036.55	29,332.62	18,628.94	45,604.88	404,191.36	5,049.72
61,110.02	6,000.00	17,400.98	6,245.17	35,685.72	111,944.99	3,469.81
6,971.66		11,691.34	14,640.64	14,294.10	51,781.99	4,454.11
68,081.68	6,000.00	29,092.32	20,885.81	49,979.82	163,726.98	7,923.92
146,043.54	13,369.36	60,831.11	42,375.66	110,586.49	579,802.62	21,832.63
3.0	3.8	5.9	8.9	18.6	3.3	47.2

## STATEMENT

## Balance Sheets of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality .....	Mount Forest 1,909	Neustadt 468	Orange- ville 2,608	Owen Sound 13,659	Paisley 727
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings .....	3,725.00		2,585.07	27,107.19	
Substation equipment .....	686.75		1,169.00	17,973.04	1,923.46
Distribution system—overhead .....	23,224.98	10,398.28	36,492.04	116,878.97	11,828.16
Distribution system—underground .....					
Line transformers .....	7,581.19	3,860.41	10,296.17	58,839.17	1,738.46
Meters .....	8,517.77	2,323.43	13,527.49	63,626.10	3,288.07
Street light equipment, regular .....	2,397.89	496.41	7,532.55	30,714.62	1,045.51
Street light equipment, ornamental .....					
Miscellaneous construction expense .....	2,102.76	1,478.68	6,384.38	2,853.31	737.03
Steam or hydraulic plant .....				33,282.00	
Old plant .....	3,810.95	1,097.60	3,204.99		1,745.00
Total plant .....	52,047.29	19,654.81	81,191.69	351,274.40	22,305.69
Bank and cash balance .....	509.73	1,999.01	20.00	100.00	295.75
Securities and investments .....	4,000.00	4,000.00	11,500.00	5,000.00	5,000.00
Accounts receivable .....	2,000.45	458.11	1,626.30	13,341.45	822.82
Inventories .....		25.56	282.59	10,186.32	
Sinking fund on local debentures .....					
Equity in H-E.P.C. systems .....	32,980.23	6,573.38	44,834.16	211,262.23	11,135.06
Other assets .....			1,164.03	1,050.00	
Total assets .....	91,537.70	32,710.87	140,618.77	592,214.40	39,559.32
Deficit .....		1,155.23			
Total .....	91,537.70	33,866.10	140,618.77	592,214.40	39,559.32
LIABILITIES					
Debenture balance .....	6,185.58				3,612.21
Accounts payable .....	1,500.00	30.66	95.07	10,042.39	14.18
Bank overdraft .....			696.78	854.88	
Other liabilities .....		30.00	38.00	5,335.57	26.26
Total liabilities .....	7,685.58	60.66	829.85	16,232.84	3,652.65
RESERVES					
For equity in H-E.P.C. systems .....	32,980.23	6,573.38	44,834.16	211,262.23	11,135.06
For depreciation .....	21,977.88	10,232.06	29,390.26	77,318.15	6,067.49
Other reserves .....				10,996.22	
Total reserves .....	54,958.11	16,805.44	74,224.42	299,576.60	17,202.55
SURPLUS					
Debentures paid .....	24,773.02	17,000.00	35,900.00	141,000.00	12,387.79
Local sinking fund .....					
Operating surplus .....	4,120.99		29,664.50	135,404.96	6,316.33
Total surplus .....	28,894.01	17,000.00	65,564.50	276,404.96	18,704.12
Total liabilities, reserves and surplus .....	91,537.70	33,866.10	140,618.77	592,214.40	39,559.32
Percentage of net debt to total assets .....	13.1	0.2	0.9	4.3	12.9



## "A"—Continued

## Hydro Municipalities as at December 31, 1940

Penetan- guishene 4,076	Port Elgin 1,374	Port McNicol 940	Port Perry 1,145	Priceville P.V.	Ripley 439	Rosseau 310
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,288.05	111.25	369.08		68.00		
7,106.39			2,564.65			
51,071.99	27,044.57	9,761.90	19,884.77	5,476.21	10,188.27	7,655.75
21,255.10	6,227.17	1,500.23	5,291.65	929.92	3,693.93	2,314.23
14,980.14	7,672.55	3,107.02	4,790.53	562.08	1,991.86	1,270.86
3,829.44	2,270.59	652.98	1,816.38	256.88	844.33	623.60
1,976.99	437.47	719.54	131.71	833.90	1,208.13	1,246.06
	4,213.00					
102,508.10	47,976.60	16,110.75	34,479.69	8,126.99	17,926.52	13,110.50
2,527.44	3,059.95	1,038.46	795.88	636.55	901.08	1,526.87
872.14	10,000.00		7,000.00		2,000.00	
5,262.21	282.10	154.48	1,378.71	50.19	800.66	230.58
86.60						
64,110.98	11,109.74	6,404.87	17,606.55	972.44	7,832.45	3,417.69
	505.53					
174,367.47	72,933.92	23,708.56	61,260.83	9,786.17	29,460.71	18,285.64
				1,275.16		318.13
175,367.47	72,933.92	23,708.56	61,260.83	11,061.33	29,460.71	18,603.77
1,550.43	26,023.51	196.00	8,310.42		6,992.43	10,033.63
2,957.73	3,410.12	32.92	6.00	160.23	189.58	1.05
536.92		123.40	634.00		266.83	30.00
5,045.08	29,433.63	352.32	8,950.42	160.23	7,448.84	10,064.68
64,110.98	11,109.74	6,404.87	17,606.55	972.44	7,832.45	3,417.69
43,733.78	7,544.79	5,259.28	11,072.09	2,928.66	6,436.06	2,155.03
1,600.00						
109,444.76	18,654.53	11,664.15	28,678.64	3,901.10	14,268.51	5,572.72
35,432.52	15,976.49	7,104.00	11,571.24	7,000.00	6,979.51	2,966.37
25,445.11	8,869.27	4,588.09	12,060.53		763.85	
60,877.63	24,845.76	11,692.09	23,631.77	7,000.00	7,743.36	2,966.37
175,367.47	72,933.92	23,708.56	61,260.83	11,061.33	29,460.71	18,603.77
4.5	47.6	2.0	20.5	1.8	34.4	67.0

## STATEMENT

## Balance Sheets of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality.....	Shelburne	Southamp- ton	Stayner	Sunder- land P.V.	Tara
Population.....	1,018	1,515	1,013		483
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	800.00	25.00			
Substation equipment.....	566.60		200.00		
Distribution system—overhead...	15,086.97	26,866.63	16,690.58	4,284.74	11,333.41
Distribution system—underground					
Line transformers.....	6,901.63	8,800.99	6,966.61	1,677.23	2,752.91
Meters.....	6,785.36	9,607.26	6,793.37	2,361.95	1,954.18
Street light equipment, regular....	1,104.49	2,558.48	1,074.86	670.57	2,721.65
Street light equipment, ornamental					
Miscellaneous construction expense	2,223.84	772.23	403.13	170.22	1,394.94
Steam or hydraulic plant.....					
Old plant.....	739.50	2,477.00		2,030.00	
Total plant.....	34,208.39	51,107.59	32,128.55	11,194.71	20,157.09
Bank and cash balance.....	523.88	261.93	423.44	1,056.71	2,241.70
Securities and investments.....	7,500.00	1,000.00	4,000.00	500.00	2,000.00
Accounts receivable.....	660.76	442.48	392.50	704.01	296.99
Inventories.....					
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	19,415.32	9,637.12	16,774.21	10,414.38	8,579.18
Othes assets.....	361.85	266.61			
Total assets.....	62,670.20	62,715.73	53,718.70	23,869.81	33,274.96
Deficit.....					
Total.....	62,670.20	62,715.73	53,718.70	23,869.81	33,274.96
<b>LIABILITIES</b>					
Debenture balance.....		13,235.99			
Accounts payable.....	180.19	803.71	855.59	93.20	1.15
Bank overdraft.....					
Othes liabilities.....	69.45	8.22	270.00	10.00	
Total liabilities.....	249.64	14,047.92	1,125.59	103.20	1.15
<b>RESERVES</b>					
For equity in H-E.P.C. systems...	19,415.32	9,637.12	16,774.21	10,414.38	8,579.18
For depreciation.....	16,587.09	6,427.33	13,501.15	5,419.44	8,856.55
Other reserves.....			49.46		
Total reserves.....	36,002.41	16,064.45	30,324.82	15,833.82	17,435.73
<b>SURPLUS</b>					
Debentures paid.....	19,920.00	19,763.94	9,867.59	6,800.00	15,500.00
Local sinking fund.....					
Operating surplus.....	6,498.15	12,839.42	12,400.70	1,132.79	338.08
Total surplus.....	26,418.15	32,603.36	22,268.29	7,932.79	15,838.08
Total liabilities, reserves and surplus.	62,670.20	62,715.73	53,718.70	23,869.81	33,274.96
Percentage of net debt to total assets.	0.6	26.5	3.0	0.8	0.0

## "A"—Continued

## Hydro Municipalities as at December 31, 1940

Teeswater 840	Thornton P.V.	Tottenham 532	Uxbridge 1,535	Victoria Harbour 979	Walkerton 2,523	Waubau- shene P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
330.31		358.50	40.00			
17,748.25	6,508.60	8,880.25	2,657.65	10,412.93	42,076.99	9,829.30
5,362.15	1,015.06	1,376.38	4,898.64	2,134.27	14,233.21	2,641.62
3,749.38	992.90	2,477.14	5,726.45	3,609.91	12,158.91	3,014.17
1,495.82	433.25	466.26	1,509.84	366.32	2,601.52	303.35
1,816.49	300.35	1,332.02	1,152.40	802.05	3,102.14	308.04
4,976.86		286.45			4,897.60	
35,479.26	9,250.16	15,177.00	31,410.92	17,325.48	79,070.37	16,096.48
729.33	1,273.70	1,499.25	2,144.03	1,108.98	6,951.24	191.69
2,500.00						
1,114.77	1,006.64	123.73	1,822.50	1,564.75	2,547.37	482.66
			43.94		1,075.54	
12,423.43	3,418.29	10,782.86	18,727.06	6,613.35	18,027.62	4,425.18
52,246.79	14,948.79	27,582.84	54,148.45	26,612.56	107,672.14	21,196.01
	2,083.03	3,619.02				
52,246.79	17,031.82	31,201.86	54,148.45	26,612.56	107,672.14	21,196.01
1,874.78		4,305.78			41,991.27	
7.27	40.75	103.23	100.04	58.56	57.80	1,133.64
43.00		281.00	322.00		255.00	
1,925.05	40.75	4,690.01	422.04	58.56	42,304.07	1,133.64
12,423.43	3,418.29	10,782.86	18,727.06	6,613.35	18,027.62	4,425.18
9,417.31	6,072.78	7,047.35	8,572.18	6,423.49	10,783.76	2,980.76
		20.32	50.32		98.98	125.00
21,840.74	9,491.07	17,850.53	27,349.56	13,036.84	28,910.36	7,530.94
26,125.22	7,500.00	8,661.32	16,207.59	6,500.00	21,008.73	3,500.00
2,355.78			10,169.26	7,017.16	15,448.98	9,031.43
28,481.00	7,500.00	8,661.32	26,376.85	13,517.16	36,457.71	12,531.43
52,246.79	17,031.82	31,201.86	54,148.45	26,612.56	107,672.14	21,196.01
4.8	0.4	27.9	1.2	0.3	47.2	6.7



## STATEMENT

## Balance Sheets of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Concluded

Municipality . . . . .	Warton	Winder- mere	Wingham	Woodville	GEORGIAN BAY SYSTEM SUMMARY
Population . . . . .	1,760	118	2,149	425	
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .	200.00		21,513.45		141,406.81
Substation equipment . . . . .	327.07		4,863.91		191,345.02
Distribution system—overhead . . . . .	21,477.67	9,716.76	40,549.75	3,444.66	1,281,323.55
Distribution system—underground . . . . .					68,379.44
Line transformers . . . . .	5,520.77	3,492.70	18,053.49	1,995.54	465,772.26
Meters . . . . .	6,771.86	1,160.79	16,020.20	2,315.99	476,344.11
Street light equipment, regular . . . . .	2,805.31	247.26	11,162.54	521.83	159,957.68
Street light equipment, ornamental . . . . .					
Miscellaneous construction expense . . . . .	6,063.88	525.65	4,537.44	279.91	97,623.41
Steam or hydraulic plant . . . . .			14,711.99		47,993.99
Old plant . . . . .	2,001.79		12,320.02	2,182.50	96,428.98
Total plant . . . . .	45,168.35	15,143.16	143,732.79	10,740.43	3,026,575.25
Bank and cash balance . . . . .	1,790.98	1,744.08	30.00	343.61	117,260.95
Securities and investments . . . . .	12,000.00		2,000.00	5,000.00	275,597.62
Accounts receivable . . . . .	2,058.58	442.01	6,065.12	1,868.95	112,507.88
Inventories . . . . .			4,279.86		28,988.38
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	13,777.77	2,391.04	36,864.07	10,168.16	1,697,365.75
Other assets . . . . .			314.04		25,719.26
Total assets . . . . .	74,795.68	19,720.29	193,285.88	28,121.15	5,284,015.09
Deficit . . . . .					21,709.97
Total . . . . .	74,795.68	19,720.29	193,285.88	28,121.15	5,305,725.06
<b>LIABILITIES</b>					
Debenture balance . . . . .	26,599.31	8,464.72	23,874.53	963.32	282,973.30
Accounts payable . . . . .	7.13		39.12	513.79	75,936.72
Bank overdraft . . . . .			2,360.31		6,488.89
Other liabilities . . . . .	95.00		601.50		29,138.10
Total liabilities . . . . .	26,701.44	8,464.72	26,875.46	1,477.11	394,537.01
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	13,777.77	2,391.04	36,864.07	10,168.16	1,697,365.75
For depreciation . . . . .	6,516.82	2,936.45	35,218.18	3,096.01	1,081,803.32
Other reserves . . . . .	46.30			800.00	19,476.96
Total reserves . . . . .	20,340.89	5,327.49	72,082.25	14,064.17	2,798,646.03
<b>SURPLUS</b>					
Debentures paid . . . . .	10,800.69	3,298.58	72,230.97	4,536.68	1,281,278.30
Local sinking fund . . . . .					
Operating surplus . . . . .	16,952.66	2,629.50	22,097.20	8,043.19	831,263.72
Total surplus . . . . .	27,753.35	5,928.08	94,328.17	12,579.87	2,112,542.02
Total liabilities, reserves and surplus . . . . .	74,795.68	19,720.29	193,285.88	28,121.15	5,305,725.06
Percentage of net debt to total assets . . . . .	43.8	48.4	17.2	8.2	11.0

## "A"—Continued

## Hydro Municipalities as at December 31, 1940

EASTERN ONTARIO  
SYSTEM

Alexandria 1,951	Apple Hill P.V.	Arnprior 3,898	Athens 700	Bath 315	Belleville 14,678	Bloomfield 629	Bowman- ville 3,800
\$ c. 202.00	\$ c. 169.06	\$ c.	\$ c.	\$ c.	\$ c. 41,950.02	\$ c. 80,619.11	\$ c. 28,670.08
29,262.07	3,009.09	26,970.58	14,322.22	6,398.15	126,503.82	11,030.98	894.47
9,298.02	1,421.37	10,307.82	2,401.06	1,376.40	36,771.16	2,251.13	10,966.03
7,881.07	1,234.61	13,817.16	3,338.46	870.46	65,544.35	3,150.51	19,944.64
2,233.59	421.12	6,115.00	698.90	554.37	23,562.16	1,030.14	8,076.04
5,647.57	249.58	644.40	1,157.53	727.38	15,122.76	1,403.42	4,494.32
4,466.89	709.55						
58,991.21	7,214.38	57,854.96	21,918.17	9,926.76	390,073.38	19,276.18	122,946.68
3,893.87	2,372.28	9,780.91	620.80	26.82	6,950.14	3,159.90	11,423.49
10,000.00		5,000.00	3,500.00		5,000.00		
5,509.88	224.11	3,842.22	2,312.94	16.32	31,541.84	757.52	8,419.16
		260.62			8,451.81		4,156.88
30,582.24	3,309.57	3,551.63	6,166.08	2,044.09	168,289.20	6,137.55	58,191.94
108,977.20	13,120.34	80,290.34	34,517.99	12,013.99	610,306.37	29,331.15	205,138.15
108,977.20	13,120.34	80,290.34	34,517.99	12,013.99	610,306.37	29,331.15	205,138.15
392.57	644.36	51,139.32	7,420.96	5,408.95		3,609.21	10,000.00
	189.20	4,233.48	12.49	577.31	5,045.15	77.35	262.95
266.69		1,723.09		60.00	9,055.58	124.00	1,555.47
659.26	833.56	57,095.89	7,433.45	6,046.26	14,100.73	3,810.56	11,818.42
30,582.24	3,309.57	3,551.63	6,166.08	2,044.09	168,289.20	6,137.55	58,191.94
20,910.84	2,653.26	2,164.80	5,215.29	1,762.00	54,217.99	6,489.12	16,011.16
343.96			206.06		1,943.70		
51,837.04	5,962.83	5,716.43	11,587.43	3,806.09	224,450.89	12,626.67	74,203.10
48,133.84	5,355.64	4,329.81	6,579.04	2,091.05	176,000.00	7,590.79	61,000.00
8,347.06	968.31	13,148.21	8,918.07	70.59	195,754.75	5,303.13	58,116.63
56,480.90	6,323.95	17,478.02	15,497.11	2,161.64	371,754.75	12,893.92	119,116.63
108,977.20	13,120.34	80,290.34	34,517.99	12,013.99	610,306.37	29,331.15	205,138.15
0.8	8.5	74.4	26.2	60.6	3.2	16.4	8.0

## STATEMENT

## Balance Sheets of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality.....	Brighton	Brockville	Cardinal	Carleton Place	Chester- ville
Population.....	1,556	9,961	1,576	4,275	1,061
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	600.00	45,295.14		13,390.32	335.00
Substation equipment.....		39,212.30		2,471.63	
Distribution system—overhead....	17,030.10	99,193.14	14,078.95	46,116.46	10,641.61
Distribution system—underground					
Line transformers.....	6,238.94	48,509.29	3,640.27	13,471.87	4,008.10
Meters.....	8,015.16	51,434.02	3,538.89	19,023.39	5,095.96
Street light equipment, regular....	1,305.85	27,224.00	491.85	6,691.85	593.64
Street light equipment, ornamental					
Miscellaneous construction expense	688.18	2,135.54	734.66	5,064.90	904.22
Steam or hydraulic plant.....		46,965.86			
Old plant.....		4,821.76	3,474.80	5,289.19	
Total plant.....	33,878.23	364,791.05	25,959.42	111,519.61	21,578.53
Bank and cash balance.....	457.62		538.84	5,419.45	145.50
Securities and investments.....		103,000.00	3,000.00	23,000.00	9,000.00
Accounts receivable.....	4,275.62	2,857.73	743.05	4,462.97	1,742.95
Inventories.....	5,496.48	2,747.35		1,508.23	544.46
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	11,133.98	170,947.77	5,406.00	78,430.75	27,197.35
Other assets.....					
Total assets.....	55,241.93	644,343.90	35,647.31	224,341.01	60,208.79
Deficit.....					
Total.....	55,241.93	644,343.90	35,647.31	224,341.01	60,208.79
LIABILITIES					
Debenture balance.....	11,417.07		8,694.20	22,201.34	
Accounts payable.....	48.38	4,776.90	105.63	551.96	
Bank overdraft.....		6,550.19			
Other liabilities.....	269.24	42.40		1,436.40	
Total liabilities.....	11,734.69	11,369.49	8,799.83	24,189.70	
RESERVES					
For equity in H-E.P.C. systems....	11,133.98	170,947.77	5,406.00	78,430.75	27,197.35
For depreciation.....	4,130.34	130,234.88	2,701.78	16,944.45	7,611.07
Other reserves.....	551.26	14,881.79	63.23	953.58	
Total reserves.....	15,815.58	316,064.44	8,171.01	96,328.78	34,808.42
SURPLUS					
Debentures paid.....	13,582.93	226,657.54	6,305.80	43,798.66	6,500.00
Local sinking fund.....					
Operating surplus.....	14,108.73	90,252.43	12,370.67	60,023.87	18,900.37
Total surplus.....	27,691.66	316,909.97	18,676.47	103,822.53	25,400.37
Total liabilities, reserves and surplus.	55,241.93	644,343.90	35,647.31	224,341.01	60,208.79
Percentage of net debt to total assets.	26.6	2.4	29.1	16.7	0.0



## "A"—Continued

## Hydro Municipalities as at December 31, 1940

Cobden	Cobourg	Colborne	Deseronto	Finch	Hastings	Havelock	*Iroquois
639	5,268	942	1,300	347	772	1,156	1,068
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
	29,949.68		597.41				
	1,668.35		161.18			572.90	100.00
4,015.69	81,480.25	10,968.48	10,744.59	8,136.43	17,383.98	19,914.33	4,509.50
1,006.51	25,928.14	1,250.89	1,702.57	2,159.77	3,413.84	2,961.87	3,153.63
1,064.28	31,193.27	2,745.29	5,031.88	1,946.87	3,590.82	5,835.12	3,945.39
444.46	13,382.30	1,479.27	432.60	504.07	1,183.74	1,883.33	243.00
45.86	4,514.27	3,192.27	374.23	80.54	714.47	4,652.36	397.71
2,853.85					1,733.13	2,420.45	575.00
9,430.65	188,116.26	19,636.20	19,044.46	12,827.68	28,119.98	38,240.36	12,924.23
2,004.55	10,467.72	1,755.60	674.47	755.28	418.43	1,636.29	1,870.41
2,000.00		3,500.00		3,000.00	4,500.00	12,000.00	
946.28	16,938.90	128.77	1,776.80	531.67	638.68	683.53	52.74
	2,815.76	1,400.23	628.52				
1,215.69	43,666.06	3,823.71	6,924.86	4,298.06	3,609.94	12,042.21	341.33
15,597.17	262,004.70	30,244.51	29,049.11	21,412.69	37,287.03	64,602.39	15,188.71
15,597.17	262,004.70	30,244.51	29,049.11	21,412.69	37,287.03	64,602.39	15,188.71
4,791.36	73,290.86	9,179.62	707.21	3,406.86	14,220.74	639.41	
	7,039.27	883.73	180.12	235.34	8.75		1,104.62
142.50	4,523.48	239.00	291.12	60.00	210.00		15.00
4,933.86	84,853.61	10,302.35	1,178.45	3,702.20	14,439.49	639.41	1,119.62
1,215.69	43,666.06	3,823.71	6,924.86	4,298.06	3,609.94	12,042.21	341.33
621.61	26,267.52	2,403.13	3,887.37	2,378.63	4,155.94	12,568.62	82.50
				10.59			
1,837.30	69,933.58	6,226.84	10,812.23	6,687.28	7,765.88	24,610.83	423.83
3,011.91	32,702.64	3,014.97	14,292.79	3,593.14	6,779.26	32,260.59	
5,814.10	74,514.87	10,700.35	2,765.64	7,430.07	8,302.40	7,091.56	13,645.26
8,826.01	107,217.51	13,715.32	17,058.43	11,023.21	15,081.66	39,352.15	13,645.26
15,597.17	262,004.70	30,244.51	29,049.11	21,412.69	37,287.03	64,602.39	15,188.71
34.3	38.9	39.0	5.3	21.6	42.9	1.2	7.5

\* 9 months operation.

# STATEMENT

## Balance Sheets of Electrical Departments of

### EASTERN ONTARIO SYSTEM—Continued

Municipality . . . . .	Kempt- ville	Kingston	Lakefield	Lanark	Lancaster
Population . . . . .	1,223	23,989	1,413	734	563
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .	3,422.88	221,750.00	3,137.97		
Substation equipment . . . . .		227,085.01			
Distribution system—overhead . .	20,812.21	188,022.53	22,387.76	6,852.91	7,539.44
Distribution system—underground		193,192.08			
Line transformers . . . . .	6,435.41	74,846.42	5,993.32	1,688.69	1,868.83
Meters . . . . .	7,598.06	121,880.70	7,459.29	2,102.75	1,805.63
Street light equipment, regular . .	1,090.07	76,256.25	1,876.05	747.54	650.65
Street light equipment, ornamental					
Miscellaneous construction expense	5,842.22	48,435.70	4,342.41	317.80	1,068.55
Steam or Hydraulic plant . . . . .		17,670.80			
Old plant . . . . .			3,445.25		
Total plant . . . . .	45,200.85	1,169,139.49	48,642.05	11,709.69	12,933.10
Bank and cash balance . . . . .	1,276.14	9,973.33	1,501.15	1,817.68	3,116.98
Securities and investments . . . .	20,000.00	151,175.00	9,000.00	3,982.05	
Accounts receivable . . . . .	2,876.28	39,851.39	513.44	237.29	83.22
Inventories . . . . .	366.69	17,348.40			
Sinking fund on local debentures .		23,609.45			
Equity in H-E.P.C. systems . . . .	20,490.23	61,806.97	12,862.79	6,176.43	6,152.23
Other assets . . . . .		3,221.53			
Total assets . . . . .	90,210.19	1,476,125.56	72,519.43	23,923.14	22,285.53
Deficit . . . . .					
Total . . . . .	90,210.19	1,476,125.56	72,519.43	23,923.14	22,285.53
<b>LIABILITIES</b>					
Debenture balance . . . . .	13,367.62	50,456.00	18,441.93		
Accounts payable . . . . .	122.40	109.25	537.22		69.69
Bank overdraft . . . . .					
Other liabilities . . . . .	75.00	10,010.11	624.80	60.00	153.36
Total liabilities . . . . .	13,565.02	60,575.36	19,603.95	60.00	223.05
<b>RESERVES</b>					
For equity in H-E.P.C. systems . .	20,490.23	61,806.97	12,862.79	6,176.43	6,152.23
For depreciation . . . . .	13,867.75	272,329.70	15,689.38	3,865.55	3,810.58
Other reserves . . . . .		157,890.89			
Total reserves . . . . .	34,357.98	492,027.56	28,552.17	10,041.98	9,962.81
<b>SURPLUS</b>					
Debentures paid . . . . .	11,632.38	261,444.00	15,058.07	7,561.47	9,970.42
Local sinking fund . . . . .		23,609.45			
Operating surplus . . . . .	30,654.81	638,469.19	9,305.24	6,259.69	2,129.25
Total surplus . . . . .	42,287.19	923,522.64	24,363.31	13,821.16	12,099.67
Total liabilities, reserves and surplus.	90,210.19	1,476,125.56	72,519.43	23,923.14	22,285.53
Percentage of net debt to total assets.	19.5	2.7	32.9	0.3	1.4

## "A"—Continued

## Hydro Municipalities as at December 31, 1940

Lindsay 7,203	Madoc 1,054	Marmora 997	Martin- town P.V.	Maxville 760	Millbrook 728	Morrisburg 1,555	Napanee 3,234
\$ c. 10,777.68 3,176.56 98,969.92	\$ c. 100.00 ..... 11,810.00	\$ c. ..... 13,743.95	\$ c. 126.15 ..... 2,840.45	\$ c. ..... 407.79 11,825.25	\$ c. ..... 5,987.86	\$ c. 5,000.00 4,457.21 11,818.06	\$ c. 9,072.77 ..... 45,747.66
27,622.63 33,555.77 10,334.23	3,496.56 5,130.32 1,577.14	3,808.11 3,922.83 1,193.23	709.39 1,047.34 354.94	2,132.68 2,804.91 1,950.24	758.45 1,770.48 580.26	4,959.31 6,978.36 795.00	10,829.19 18,001.31 4,209.93
2,707.49	159.22	2,188.21	702.53	2,478.31	79.92	335.84	3,769.78
.....	.....	573.62	.....	.....	.....	27,733.82	.....
187,144.28	22,273.24	25,429.95	5,780.80	21,599.18	9,176.97	62,077.60	91,630.64
3,987.46 55,000.00 7,173.18 240.78	2,322.81 5,000.00 584.80	3,621.20 ..... 622.50	1,414.47 1,000.00 569.61	2,447.33 2,000.00 1,144.22	2,056.58 ..... 305.35	3,921.16 ..... 3,704.99	4,481.77 ..... 5,847.81 7,378.25
92,719.93	7,675.73	5,530.56	2,083.98	9,571.65	453.70	1,122.75 771.19	40,894.07
346,265.63	37,856.58	35,204.21	10,848.86	36,762.38	11,992.60	71,597.69	150,232.54
346,265.63	37,856.58	35,204.21	10,848.86	36,762.38	11,992.60	71,597.69	150,232.54
67,421.27 ..... 3,069.79	..... 51.00 442.00	1,193.22 ..... 200.00	..... 31.24 10.00	..... 1,338.87 120.00	8,304.71 1.53 198.82	25,626.98 1,275.79 771.19	..... 54.23 864.90
70,491.06	493.00	1,393.22	41.24	1,458.87	8,505.06	27,673.96	919.13
92,719.93 43,113.82	7,675.73 1,764.47	5,530.56 4,662.33	2,083.98 2,182.38 81.02	9,571.65 6,656.26 400.00	453.70 418.00	1,122.75 1,420.00 31,296.54	40,894.07 11,835.63
135,833.75	9,440.20	10,192.89	4,347.38	16,627.91	871.70	33,839.29	52,729.70
62,578.73 77,362.09	14,000.00 13,923.38	16,472.89 7,145.21	6,000.00 460.24	16,000.00 2,675.60	695.29 1,920.55	8,946.30 1,138.14	70,000.00 26,583.71
139,940.82	27,923.38	23,618.10	6,460.24	18,675.60	2,615.84	10,084.44	96,583.71
346,265.63	37,856.58	35,204.21	10,848.86	36,762.38	11,992.60	71,597.69	150,232.54
27.8	1.6	4.7	0.5	5.4	73.8	39.3	0.8



## STATEMENT

## Balance Sheets of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality . . . . .	Newcastle	Norwood	Omemees	Orono	Oshawa
Population . . . . .	698	703	547	P.V.	24,938
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings . . . . .	107.37				61,288.82
Substation equipment . . . . .		457.53	360.32		1,565.29
Distribution system—overhead . . . . .	14,433.46	23,454.96	13,013.27	5,100.79	251,093.94
Distribution system—underground					
Line transformers . . . . .	4,012.74	4,035.13	4,057.94	776.77	68,106.78
Meters . . . . .	3,578.42	5,403.33	3,666.33	1,731.62	118,438.90
Street light equipment, regular . . . . .	788.22	1,886.92	793.26	529.46	17,501.94
Street light equipment, ornamental					
Miscellaneous construction expense	683.32	3,955.45	1,699.72	295.97	62,438.79
Steam or hydraulic plant . . . . .					
Old plant . . . . .		2,447.51			6,431.65
Total plant . . . . .	23,603.53	41,640.83	23,590.84	8,434.61	586,866.11
Bank and cash balance . . . . .	458.91	1,851.92	6,739.00	3,386.50	400.00
Securities and investments . . . . .		13,000.00			
Accounts receivable . . . . .	480.58	2,080.15	373.35	290.20	65,176.64
Inventories . . . . .					11,623.53
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	1,487.46	5,913.85	379.83	521.11	515,383.90
Other assets . . . . .		426.28			123.87
Total assets . . . . .	26,030.48	64,913.03	31,083.02	12,632.42	1,179,574.05
Deficit . . . . .					
Total . . . . .	26,030.48	64,913.03	31,083.02	12,632.42	1,179,574.05
<b>LIABILITIES</b>					
Debenture balance . . . . .	3,691.35	18,630.42		7,356.50	108,000.00
Accounts payable . . . . .	12.24	67.86	30	182.39	60,510.50
Bank overdraft . . . . .					11,070.63
Other liabilities . . . . .		426.28	163.06		26,153.99
Total liabilities . . . . .	3,703.59	19,124.56	163.36	7,538.89	205,735.12
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	1,487.46	5,913.85	379.83	521.11	515,383.90
For depreciation . . . . .	9,317.29	15,269.23	10,313.07	320.00	90,246.13
Other reserves . . . . .				781.50	4,600.00
Total reserves . . . . .	10,804.75	21,183.08	10,692.90	1,622.61	610,230.03
<b>SURPLUS</b>					
Debentures paid . . . . .	10,308.65	18,469.58	12,000.00	643.50	202,000.00
Local sinking fund . . . . .					
Operating surplus . . . . .	1,213.49	6,135.81	8,226.76	2,827.42	161,608.90
Total surplus . . . . .	11,522.14	24,605.39	20,226.76	3,470.92	363,608.90
Total liabilities, reserves and surplus . . . . .	26,030.48	64,913.03	31,083.02	12,632.42	1,179,574.05
Percentage of net debt to total assets . . . . .	15.1	32.4	0.5	62.2	31.0

## "A"—Continued

## Hydro Municipalities as at December 31, 1940

Ottawa	Perth	Peterborough	Picton	Port Hope	Prescott	Richmond
145,183	4,182	24,017	3,582	4,812	2,925	409
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
484,698.49	5,109.34	78,638.66	10,896.49	11,691.21	2,761.54	.....
847,641.91	6,198.72	122,686.69	2,004.66	.....	.....	.....
856,982.34	47,842.12	299,398.36	41,529.57	55,155.71	42,043.29	6,786.80
213,395.54	.....	.....	.....	.....	.....	.....
378,648.10	26,009.61	122,385.50	12,785.82	18,345.94	15,645.16	1,279.53
296,180.02	23,379.48	110,824.85	18,707.60	25,540.74	20,226.26	1,406.05
124,592.61	4,695.82	59,481.37	10,521.97	3,537.62	2,302.03	173.98
.....	.....	.....	.....	.....	.....	.....
42,704.73	5,076.83	87,311.14	4,338.72	3,094.80	1,128.59	642.54
.....	.....	.....	.....	.....	.....	.....
.....	23,361.94	29,771.74	.....	.....	.....	.....
3,244,843.74	141,673.86	910,498.31	100,784.83	117,366.02	84,106.87	10,288.90
288,098.90	17,212.39	150.00	.....	1,594.19	1,652.47	734.72
270,000.00	58,653.72	.....	14,000.00	12,000.00	3,000.00	.....
116,894.23	5,634.79	38,997.17	6,151.56	6,388.59	4,887.59	678.32
35,108.87	8,501.37	9,101.35	5,714.71	3,030.66	.....	.....
421,197.79	.....	411,360.32	.....	.....	.....	.....
179,022.17	68,884.70	302,639.20	52,235.23	55,152.39	48,260.84	2,847.30
.....	.....	.....	3,282.16	.....	1,200.73	.....
4,555,165.70	300,560.83	1,672,746.35	182,168.49	195,531.85	143,108.50	14,549.24
.....	.....	.....	.....	.....	.....	.....
4,555,165.70	300,560.83	1,672,746.35	182,168.49	195,531.85	143,108.50	14,549.24
436,040.12	38,051.29	527,920.00	.....	.....	.....	3,519.27
66,049.84	.....	25,232.64	8.68	.....	5,120.18	.....
.....	.....	20,745.75	2,559.17	.....	.....	.....
1,544.92	2,719.34	85.00	3,282.16	5,301.81	299.08	113.00
503,634.88	40,770.63	573,983.39	5,850.01	5,301.81	5,419.26	3,632.27
179,022.17	68,884.70	302,639.20	52,235.23	55,152.39	48,260.84	2,847.30
1,401,508.98	59,579.61	146,388.85	17,139.04	19,507.39	47,738.14	2,160.59
309,890.86	790.62	1,269.99	992.61	828.48	.....	52.84
1,890,422.01	129,254.93	450,298.04	70,366.88	75,488.26	95,998.98	5,060.73
543,959.88	70,348.71	.....	5,730.32	79,000.00	12,170.99	2,980.73
421,197.79	.....	411,360.32	.....	.....	.....	.....
1,195,951.14	60,186.56	237,104.60	100,221.28	35,741.78	29,519.27	2,875.51
2,161,108.81	130,535.27	648,464.92	105,951.60	114,741.78	41,690.26	5,856.24
4,555,165.70	300,560.83	1,672,746.35	182,168.49	195,531.85	143,108.50	14,549.24
2.1	17.6	16.9	4.5	3.8	5.7	31.0

## STATEMENT

## Balance Sheets of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Concluded

Municipality .....	Russell	Smiths Falls	Stirling	Trenton	Tweed
Population .....	P.V.	7,672	981	7,222	1,246
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings .....		20,462.85	8,522.88	5,114.41	
Substation equipment .....		4,750.86	7,949.55	28,775.27	
Distribution system—overhead .....	8,215.46	90,097.94	6,949.33	111,624.43	14,456.53
Distribution system—underground .....					
Line transformers .....	1,495.50	36,128.89	4,829.85	24,370.25	4,032.21
Meters .....	1,810.39	37,114.77	5,267.98	33,111.24	5,501.19
Street light equipment, regular .....	589.70	9,508.35	3,183.33	15,922.17	1,956.64
Street light equipment, ornamental .....					
Miscellaneous construction expense .....	1,280.61	13,779.68	583.64	6,084.93	
Steam or hydraulic plant .....		36,986.49			
Old plant .....		21,248.48			
<b>Total plant .....</b>	<b>13,391.66</b>	<b>270,078.31</b>	<b>37,286.56</b>	<b>225,002.70</b>	<b>25,946.57</b>
Bank and cash balance .....	1,160.03	20,496.99	6,965.90	15,225.90	3,730.35
Securities and investments .....	4,000.00	48,000.00	3,379.18		
Accounts receivable .....	979.99	4,426.13	1,162.76	2,526.44	2,703.18
Inventories .....		13.55	702.59	4,304.81	435.97
Sinking fund on local debentures .....					
Equity in H-E.P.C. systems .....	5,562.47	100,208.98	8,586.69	75,059.39	9,344.67
Other assets .....					
<b>Total assets .....</b>	<b>25,094.15</b>	<b>443,223.96</b>	<b>58,083.68</b>	<b>322,119.24</b>	<b>42,160.74</b>
Deficit .....					
<b>Total .....</b>	<b>25,094.15</b>	<b>443,223.96</b>	<b>58,083.68</b>	<b>322,119.24</b>	<b>42,160.74</b>
<b>LIABILITIES</b>					
Debenture balance .....	3,573.35	1,993.03		33,140.90	6,881.06
Accounts payable .....	167.03	545.47	24.00	287.28	49.86
Bank overdraft .....					
Other liabilities .....		230.60	327.13	5,084.87	302.19
<b>Total liabilities .....</b>	<b>3,740.38</b>	<b>2,769.10</b>	<b>351.13</b>	<b>38,513.05</b>	<b>7,233.11</b>
<b>RESERVES</b>					
For equity in H-E.P.C. systems .....	5,562.47	100,208.98	8,586.69	75,059.39	9,344.67
For depreciation .....	3,247.34	95,975.90	6,216.49	37,116.94	3,185.03
Other reserves .....		2,339.91			443.76
<b>Total reserves .....</b>	<b>8,809.81</b>	<b>198,524.79</b>	<b>14,803.18</b>	<b>112,176.33</b>	<b>12,973.46</b>
<b>SURPLUS</b>					
Debentures paid .....	6,426.65	195,631.97	10,000.00	131,859.10	12,118.94
Local sinking fund .....					
Operating surplus .....	6,117.31	46,298.10	32,929.37	39,570.76	9,835.23
<b>Total surplus .....</b>	<b>12,543.96</b>	<b>241,930.07</b>	<b>42,929.37</b>	<b>171,429.86</b>	<b>21,954.17</b>
<b>Total liabilities, reserves and surplus .....</b>	<b>25,094.15</b>	<b>443,223.96</b>	<b>58,083.68</b>	<b>322,119.24</b>	<b>42,160.74</b>
Percentage of net debt to total assets .....	19.2	0.8	0.7	15.6	22.0



## "A"—Continued

## Hydro Municipalities as at December 31, 1940

Warkworth	Wellington	Westport	Whitby	Williamsburg	Winchester	EASTERN ONTARIO SYSTEM SUMMARY
P.V.	934	710	3,863	P.V.	1,059	
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	200.00	.....	6,619.20	.....	299.85	1,110,957.27
.....	499.80	.....	34,288.16	.....	.....	1,418,415.27
5,620.72	15,110.47	7,349.21	57,756.55	3,431.14	10,390.62	3,047,806.53
.....	.....	.....	.....	.....	.....	406,587.62
815.59	4,085.20	1,015.48	13,167.25	1,978.92	3,691.15	1,089,086.98
2,053.79	5,928.54	1,794.62	18,826.16	2,391.10	5,730.20	1,220,912.93
338.08	1,349.61	706.11	12,477.98	174.61	719.87	473,998.46
.....	.....	.....	.....	.....	.....	.....
609.19	923.42	1,387.20	7,876.68	176.98	382.42	371,829.50
.....	.....	.....	.....	.....	.....	101,623.15
3,618.02	2,477.92	1,713.00	1,340.13	.....	1,100.00	151,607.70
.....	.....	.....	.....	.....	.....	.....
13,055.39	30,574.96	13,965.62	152,352.11	8,152.75	22,314.11	9,392,825.41
.....	.....	.....	.....	.....	.....	.....
703.42	1,172.73	1,236.83	1,798.81	390.62	3,017.68	484,488.69
2,500.00	6,000.00	4,000.00	5,000.00	20,000.00	7,000.00	904,189.95
519.24	744.70	419.93	7,158.64	544.31	394.15	421,530.40
.....	.....	.....	337.39	.....	.....	132,219.26
.....	.....	.....	.....	.....	.....	856,167.56
3,834.87	9,911.28	4,664.16	49,909.82	6,259.54	19,597.35	2,440,518.23
.....	.....	.....	.....	.....	.....	9,025.76
.....	.....	.....	.....	.....	.....	.....
20,612.92	48,403.67	24,286.54	216,556.77	35,347.22	52,323.29	14,640,965.26
.....	.....	.....	.....	.....	.....	.....
20,612.92	48,403.67	24,286.54	216,556.77	35,347.22	52,323.29	14,640,965.26
.....	.....	.....	.....	.....	.....	.....
7,427.97	5,259.01	9,422.84	17,844.82	.....	2,680.77	1,643,015.90
.....	.....	.....	233.87	5.50	68.11	187,882.17
.....	.....	.....	.....	.....	.....	40,925.74
14.00	56.25	165.00	1,433.08	399.16	10.00	84,724.86
.....	.....	.....	.....	.....	.....	.....
7,441.97	5,315.26	9,587.84	19,511.77	404.66	2,758.88	1,956,548.67
.....	.....	.....	.....	.....	.....	.....
3,834.87	9,911.28	4,664.16	49,909.82	6,259.54	19,597.35	2,440,518.23
2,785.77	10,575.77	1,909.56	28,078.04	3,499.72	9,924.44	2,727,031.47
.....	.....	.....	.....	358.04	.....	530,971.23
.....	.....	.....	.....	.....	.....	.....
6,620.64	20,487.05	6,573.72	77,987.86	10,117.30	29,521.79	5,698,520.93
.....	.....	.....	.....	.....	.....	.....
3,572.03	11,740.99	5,577.16	58,767.68	2,750.00	7,969.23	2,607,966.06
.....	.....	.....	.....	.....	.....	856,167.56
2,978.28	10,860.37	2,547.82	60,289.46	22,075.26	12,073.39	3,521,762.04
.....	.....	.....	.....	.....	.....	.....
6,550.31	22,601.36	8,124.98	119,057.14	24,825.26	2,042.62	6,985,895.66
.....	.....	.....	.....	.....	.....	.....
20,612.92	48,403.67	24,286.54	216,556.77	35,347.22	52,323.29	14,640,965.26
.....	.....	.....	.....	.....	.....	.....
44.4	13.8	48.9	11.7	1.4	8.4	9.7

## STATEMENT

## Balance Sheets of Electrical Departments of

**THUNDER BAY  
SYSTEM**

Municipality.....	Fcrt William	Nipigon Twp.	Port Arthur	THUNDER BAY SYSTEM SUMMARY
Population .....	24,843		21,284	
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings .....	78,485.66	215.03	450,389.23	529,089.92
Substation equipment .....	143,515.69		301,211.75	444,727.44
Distribution system—overhead .....	205,545.25	15,981.19	493,512.65	715,039.09
Distribution system—underground .....				
Line transformers .....	82,482.34	3,978.80	95,148.17	181,609.31
Meters .....	81,489.33	3,899.62	102,568.88	187,957.83
Street light equipment, regular .....	46,088.92	2,436.86	80,368.73	128,894.51
Street light equipment, ornamental .....				
Miscellaneous construction expense .....	15,642.81	244.00	65,333.46	81,220.27
Steam or hydraulic plant .....			325,003.44	325,003.44
Old plant .....	293,762.46			293,762.46
Total plant .....	947,012.46	26,755.50	1,913,536.31	2,887,304.27
Bank and cash balance .....	2,075.00	775.43	10,053.81	12,904.24
Securities and investments .....	51,500.00	1,732.02	597,408.17	650,640.19
Accounts receivable .....	33,453.72	954.22	73,826.50	108,234.44
Inventories .....	12,122.11	13.75	26,049.91	38,185.77
Sinking fund on local debentures .....	87,689.03		39,913.16	127,602.19
Equity in H-E.P.C. systems .....	630,460.69	5,255.82	2,074,621.13	2,710,337.64
Other assets .....			292.46	292.46
Total assets .....	1,764,313.01	35,486.74	4,735,701.45	6,535,501.20
Deficit .....				
Total .....	1,764,313.01	35,486.74	4,735,701.45	6,535,501.20
<b>LIABILITIES</b>				
Debenture balance .....	250,000.00	3,021.02	43,378.03	296,399.05
Accounts payable .....	33,029.08	46.12	64,572.40	97,647.60
Bank overdraft .....	8,360.68		55,473.40	63,834.08
Other liabilities .....	25,923.76			25,923.76
Total liabilities .....	317,313.52	3,067.14	163,423.83	483,804.49
<b>RESERVES</b>				
For equiry in H-E.P.C. systems .....	630,460.69	5,255.82	2,074,621.13	2,710,337.64
For depreciation .....	156,558.45	3,605.64	582,551.75	742,715.84
Other reserves .....	26,613.44		91,431.18	118,044.62
Total reserves .....	813,632.58	8,861.46	2,748,604.06	3,571,098.10
<b>SURPLUS</b>				
Debentures paid .....	417,650.00	6,978.98	598,721.97	1,023,350.95
Local sinking fund .....	87,689.03		39,913.16	127,602.19
Operating surplus .....	128,027.88	16,579.16	1,185,038.43	1,329,645.47
Total surplus .....	633,366.91	23,558.14	1,823,673.56	2,480,598.61
Total liabilities, reserves and surplus .....	1,764,313.01	35,486.74	4,735,701.45	6,535,501.20
Percentage of net debt to total assets .....	21.9	10.1	4.7	9.6

“A”—Concluded

Hydro Municipalities as at December 31, 1940

NORTHERN ONTARIO  
DISTRICTS

Capreol 1,700	North Bay 15,797	Sioux Lookout 1,933	Sudbury 29,186	NORTHERN ONTARIO DISTRICTS SUMMARY	ALL SYSTEMS GRAND SUMMARY
\$ c. 450.00 9,632.32 12,917.74	\$ c. 36,330.00 71,129.06 142,695.08	\$ c.   8,718.69	\$ c. 45,841.98 85,526.15 346,731.87	\$ c. 82,621.98 166,287.53 511,063.38	\$ c. 11,218,258.69 24,282,151.78 24,653,458.44 6,214,957.69 11,030,643.29 9,927,971.40 2,879,996.65 1,534,320.08 4,341,259.94 498,575.87 1,332,606.12
4,715.35 4,914.26 1,099.26	38,735.44 78,649.94 27,624.37	3,553.01 5,746.13 1,698.95	97,504.04 122,781.00 101,387.52	144,507.84 212,091.33 131,810.10	1,534,320.08 4,341,259.94 498,575.87 1,332,606.12
826.49	15,223.24	494.60	13,757.52	30,301.85	
34,555.42	410,387.13	20,211.38	813,530.08	1,278,684.01	97,914,199.95
2,333.02		95.73	42,023.82	44,452.57	4,462,197.18
644.61	72,344.11	423.06	103,500.00	103,500.00	5,315,855.49
	8,469.03		22,651.27	96,063.05	4,715,848.86
			24,755.26	33,224.29	1,630,987.28
					5,829,573.87
					52,457,676.76
					258,395.70
37,533.05	491,200.27	20,730.17	1,006,460.43	1,555,923.92	172,584,735.09
					22,218.88
37,533.05	491,200.27	20,730.17	1,006,460.43	1,555,923.92	172,606,953.97
26.17	240,000.00		117,836.54	357,836.54	20,636,363.20
	20,067.97	251.78	27,718.88	48,064.80	3,095,613.25
335.00	24,854.02	2,234.11	34,108.57	61,531.70	187,038.91
					3,004,623.22
361.17	284,921.99	2,485.89	179,663.99	467,433.04	26,923,638.58
4,021.00	185,530.17	488.90	62,751.68	252,791.75	52,457,676.76
156.16	266.31	100.00	64,441.72	64,964.19	25,733,628.33
					3,326,591.65
4,177.16	185,796.48	588.90	127,193.40	317,755.94	81,517,896.74
19,000.00			349,501.99	368,501.99	37,245,922.84
13,994.72	20,481.80	17,655.38	350,101.05	402,232.95	5,829,573.87
					21,089,921.94
32,994.72	20,481.80	17,655.38	699,603.04	770,734.94	64,165,418.65
37,533.05	491,200.27	20,730.17	1,006,460.43	1,555,923.92	172,606,953.97
0.9	58.0	12.0	17.9	30.0	17.4



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM

Municipality.....	Acton	Agincourt	Ailsa Craig 477	Alvinston	Amherst- burg 2,755
Population.....	1,903	P.V.		663	
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	12,007.88	5,089.99	2,548.95	3,766.54	21,915.79
Commercial light service.....	4,860.03	1,400.01	1,324.56	2,093.56	8,496.77
Commercial power service.....	19,520.65	699.74	919.98	194.48	6,902.77
Municipal power.....	642.20			317.78	
Street lighting.....	1,980.06	744.00	696.00	1,683.50	2,315.85
Merchandise.....					
Miscellaneous.....	311.85	269.60	292.23	102.79	252.68
Total earnings.....	39,322.67	8,203.34	5,781.72	8,158.65	39,883.86
EXPENSES					
Power purchased.....	30,547.94	5,704.64	4,435.23	4,942.73	27,457.98
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	2,445.36	214.93	70.77	373.53	1,000.53
Line transformer maintenance.....	51.82	70.21		11.85	
Meter maintenance.....	69.63	24.81	2.82	157.74	153.38
Consumers' premises expenses.....	423.18	160.62			1,701.59
Street lighting, operation and main- tenance.....	376.67	34.74	58.75	130.87	808.26
Promotion of business.....	21.30				770.35
Billing and collecting.....	721.37	419.99	310.37	420.81	1,362.16
General office, salaries and expenses.....	233.39	133.37	91.26	86.78	1,059.08
Undistributed expenses.....	128.13		11.01	25.60	164.04
Truck operation and maintenance.....	97.26				149.62
Interest.....					697.51
Sinking fund and principal payments on debentures.....					
Depreciation.....	1,571.00	474.00	553.00	807.00	2,568.00
Other reserves.....					
Total operating costs and fixed charges.....	36,687.05	7,237.31	5,533.21	6,956.91	37,892.50
Net surplus.....	2,635.62	966.03	248.51	1,201.74	1,991.36
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	520	157	144	265	699
Commercial light service.....	94	27	38	53	137
Power service.....	16	2	3	2	14
Total.....	630	186	185	320	850

“B”

Hydro Municipalities for Year Ended December 31, 1940

Ancaster Twp.	Arkona 408	Aylmer 1,979	Ayr 768	Baden P.V.	Beachville P.V.	Beamsville 1,186
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
12,245.14	2,927.14	11,259.71	5,526.19	3,517.71	3,498.48	9,945.24
3,152.57	1,798.38	10,323.52	1,796.38	2,015.25	652.19	5,188.85
753.14	7.72	5,531.39	542.87	5,606.17	12,821.78	2,151.93
289.24		1,042.16				
1,054.00	1,072.00	2,590.00	1,060.20	711.00	517.00	1,941.07
		1,207.04	30.00	38.90	187.38	200.51
17,494.09	5,805.24	31,953.82	8,955.64	11,889.03	17,676.83	19,427.60
9,555.80	3,029.71	19,784.38	6,185.76	9,281.82	14,587.05	9,822.73
1,157.03	391.11	909.63	606.21	131.96	249.54	409.35
12.05		85.69				3.08
273.98	36.60	58.00	110.65	50.60	95.48	3.60
218.66	10.15	34.56	115.48	232.72	4.35	405.90
212.01	54.96	406.61	110.94	91.82	85.25	167.20
		131.31				
919.42	239.75	979.79	450.80	298.56	372.63	631.17
643.52	69.13	601.22	78.34	102.71	123.56	589.36
54.25		208.33	15.59	12.10		5.33
		194.73				
540.82	316.25	644.64	224.44	30.24	148.67	1,397.24
689.66	819.29	1,866.28	491.99	295.02	209.62	1,362.08
1,160.00	423.00	1,809.00	714.00	539.00	812.00	1,471.00
						366.63
15,437.20	5,389.95	27,714.17	9,104.20	11,066.55	16,688.15	16,634.67
2,056.89	415.29	4,239.65		822.48	988.68	2,792.93
			148.56			
350	108	707	256	152	164	364
36	36	154	44	37	21	73
7	1	13	4	2	4	6
393	145	874	304	191	189	443

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Belle River	Blenheim	Blyth	Bolton	Bothwell
Population.....	852	1,844	656	600	646
EARNINGS	\$ c.	\$ c.	c.	\$ c.	\$ c.
Domestic service.....	4,601.27	9,263.88	3,559.61	4,182.48	2,900.61
Commercial light service.....	2,634.54	8,719.62	2,034.67	1,799.46	1,963.39
Commercial power service.....	94.06	3,305.79	521.63	2,107.66	677.18
Municipal power.....	1,214.23	1,990.45		129.91	148.88
Street lighting.....	1,018.00	2,625.00	1,580.00	1,070.52	1,225.02
Merchandise.....					
Miscellaneous.....	46.77	710.00	97.50	218.75	465.13
Total earnings.....	9,608.87	26,614.74	7,793.41	9,508.78	7,380.21
EXPENSES					
Power purchased.....	5,181.81	16,037.54	4,753.28	5,709.65	4,753.10
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,071.22	534.18	411.94	372.02	156.57
Line transformer maintenance.....	80.15	153.51			31.18
Meter maintenance.....	248.96	557.21	130.75		89.84
Consumers' premises expenses.....	38.06	523.55		228.51	
Street lighting, operation and maintenance.....	104.94	589.03	110.24	135.86	106.09
Promotion of business.....		210.34			31.18
Billing and collecting.....	402.04	1,182.91	279.90		228.53
General office, salaries and expenses.....	226.83	1,226.60	148.50	557.15	96.25
Undistributed expenses.....	35.39	241.18	27.72		16.72
Truck operation and maintenance.....					
Interest.....		514.60	131.69	142.61	108.68
Sinking fund and principal payments on debentures.....		717.00	1,152.47	484.30	256.07
Depreciation.....	940.00	2,101.00	574.00	707.00	622.00
Other reserves.....					
Total operating costs and fixed charges.....	8,329.40	24,588.70	7,720.49	8,337.10	6,465.03
Net surplus.....	1,279.47	2,026.04	72.92	1,171.68	915.18
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	248	541	178	181	187
Commercial light service.....	47	138	47	48	55
Power service.....	2	14	3	10	7
Total.....	297	693	228	239	249



## “B”—Continued

## Hydro Municipalities for Year Ended December 31, 1940

Brampton 5,695	Brantford 31,309	Brantford Twp.	Bridgeport P.V.	Brigden P.V.	Brussels 814	Burford P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
41,469.64	173,969.64	23,489.43	4,850.10	2,272.14	4,644.73	4,818.82
20,276.47	80,193.06	4,080.84	840.90	2,195.98	3,055.59	1,162.15
20,311.12	215,145.07	3,467.71	148.09	664.19	802.99	621.33
932.08	9,101.95					
6,597.83	33,668.32	4,296.08	876.00	800.00	1,296.00	670.08
376.07	5,140.41	562.95	32.88	89.84	273.63	259.72
89,963.21	517,218.45	35,897.01	6,747.97	6,022.15	10,072.94	7,532.10
72,047.52	386,439.61	21,981.82	3,331.90	3,571.48	5,526.31	5,476.69
251.11	9,750.17					
	525.50					
1,269.28	6,516.70	1,563.54	82.47	481.80	354.12	76.18
87.32	941.82	58.66				
789.71	5,003.37	877.05	120.00	132.47	91.81	266.07
1,121.05	6,858.38	22.12	88.06			18.34
637.63	4,216.37	1,023.47	109.74	101.74	135.30	69.62
	221.92			110.50		
1,782.08	10,667.12	1,852.10	360.03	331.58		515.72
1,805.61	8,555.88	1,571.50	41.50	161.32	621.31	129.78
123.92	4,419.12	10.05	5.00	7.67		9.69
428.70	2,255.57					
256.86	3,473.75		388.97		347.77	
	15,750.00		814.67		1,418.51	
5,808.00	35,358.00	3,263.00	590.00	513.00	754.00	594.00
100.00	2,000.00	23.94				
86,508.79	502,953.28	32,247.25	5,932.34	5,411.56	9,249.13	7,156.09
3,454.42	14,265.17	3,649.76	815.63	610.59	823.81	376.01
1,538	7,970	1,050	180	117	247	200
243	1,262	48	18	39	68	29
53	202	8	1	4	4	2
1,834	9,434	1,106	199	160	319	231

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Burgess- ville P.V.	Caledonia	Campbell- ville P.V.	Cayuga	Chatham
Population.....		1,425		658	16,910
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	1,732.08	6,807.70	1,600.18	3,919.09	95,905.77
Commercial light service.....	798.54	5,559.57	775.03	4,078.37	92,582.83
Commercial power service.....	243.06	1,796.74		763.24	84,266.00
Municipal power.....					6,749.04
Street lighting.....	312.00	1,916.46	400.00	1,466.74	19,648.75
Merchandise.....					1,989.21
Miscellaneous.....		258.89	100.04	139.89	600.00
Total earnings.....	3,085.68	16,339.36	2,875.25	10,367.33	301,741.60
<b>EXPENSES</b>					
Power purchased.....	1,757.89	10,246.99	1,697.35	5,031.42	162,737.97
Substation operation.....					7,512.47
Substation maintenance.....					3,464.09
Distribution system, operation and maintenance.....	62.28	1,253.98	122.45	426.94	6,663.18
Line transformer maintenance.....		74.31		49.78	1,570.99
Meter maintenance.....	141.68	261.47			5,604.99
Consumers' premises expenses.....		77.85			4,527.94
Street lighting, operation and main- tenance.....	1.80	467.38	19.85	176.12	3,929.33
Promotion of business.....		182.02			6,278.52
Billing and collecting.....		790.96		528.55	9,245.49
General office, salaries and expenses..	125.81	924.64	121.67	475.47	14,070.16
Undistributed expenses.....		146.77		101.47	6,870.96
Truck operation and maintenance.....		365.94			2,917.51
Interest.....			101.51	479.28	8,060.48
Sinking fund and principal payments on debentures.....			386.73	1,280.52	13,021.87
Depreciation.....	260.00	847.00	149.00	825.00	20,113.00
Other reserves.....					
Total operating costs and fixed charges.....	2,349.46	15,639.31	2,598.56	9,374.55	276,588.95
Net surplus.....	736.22	700.05	276.69	992.78	25,152.65
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	56	425	54	175	4,228
Commercial light service.....	19	105	12	65	788
Power service.....	1	8		8	103
Total.....	76	538	66	248	5,119

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1940

Chippawa 1,172	Clifford 456	Clinton 1,879	Comber P.V.	Cottam P.V.	Courtright 344	Dashwood P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
7,864.15	2,550.08	12,959.71	2,139.62	2,512.93	1,539.08	1,784.05
2,722.08	2,196.10	8,280.87	1,985.02	1,377.12	960.81	1,196.11
47.04	505.27	4,561.35	1,862.89	203.82		781.00
1,112.54		989.30			974.76	
1,820.88	954.00	2,736.04	721.00	480.00	645.00	474.82
		465.21				
152.93	41.17	575.15	272.20	248.27		85.28
13,719.62	6,246.62	30,567.63	6,980.73	4,822.14	4,119.65	4,321.26
5,912.49	3,896.25	17,197.69	4,861.55	2,850.98	2,433.34	3,006.76
		100.00				
1,236.88	103.28	1,087.57	444.16	195.86	90.22	46.64
161.24		28.15				
351.14	20.40	139.31	28.82	3.05		63.85
518.16	20.74	339.56				6.74
496.75	55.39	257.46	85.97	24.90	75.74	43.59
62.86						
503.12	391.62	844.50	216.36	421.48	189.45	147.83
626.08	21.57	1,771.71	173.35	32.04	22.45	104.68
100.05	11.77	95.88	20.15	11.95	6.13	8.28
		247.12				
47.77	303.90	414.55	36.91	236.32	.61	73.47
549.44	246.55	180.09	217.96	517.73		160.82
763.00	380.00	2,408.00	564.00	474.00	267.00	290.00
11,328.98	5,451.47	25,111.59	6,649.23	4,768.31	3,084.94	3,952.66
2,390.64	795.15	5,456.04	331.50	53.83	1,034.71	368.60
336	128	550	112	117	80	88
54	39	151	47	26	26	26
2	1	17	3	1	1	3
392	168	718	162	144	107	117



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Delaware	Delhi	Dorchester	Drayton	Dresden
Population.....	P.V.	2,544	P.V.	528	1,572
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	1,961.47	11,810.30	2,603.94	3,356.10	6,826.62
Commercial light service.....	828.15	11,507.18	956.17	2,019.67	6,408.69
Commercial power service.....		8,319.94	479.81	1,253.58	3,298.18
Municipal power.....					438.09
Street lighting.....	276.00	2,265.12	735.92	960.00	2,169.47
Merchandise.....					
Miscellaneous.....	35.12	516.66	111.40	215.00	536.64
Total earnings.....	3,100.74	34,419.20	4,887.24	7,804.35	19,677.69
<b>EXPENSES</b>					
Power purchased.....	2,094.45	16,761.16	3,336.85	5,183.47	12,941.26
Substation operation.....		29.50			
Substation maintenance.....					
Distribution system, operation and maintenance.....	20.55	1,652.36	99.55	276.66	1,544.12
Line transformer maintenance.....		85.65			
Meter maintenance.....	58.23	199.64	41.25	70.14	357.41
Consumers' premises expenses.....	82.30	436.71		13.90	38.90
Street lighting, operation and maintenance.....	13.14	195.98	63.11	128.06	248.98
Promotion of business.....	82.30	179.90	20.00	36.23	132.93
Billing and collecting.....	140.12	1,362.03	142.12		739.03
General office, salaries and expenses.....	49.19	1,272.68	53.10	364.04	793.46
Undistributed expenses.....		88.27		13.80	76.46
Truck operation and maintenance.....		539.39			190.77
Interest.....	56.29	2,200.54	71.11	257.14	
Sinking fund and principal payments on debentures.....	203.92	1,920.88	209.13	433.02	
Depreciation.....	190.00	1,377.00	463.00	685.00	985.00
Other reserves.....					
Total operating costs and fixed charges.....	2,990.49	28,301.69	4,499.22	7,461.46	18,048.32
Net surplus.....	110.25	6,117.51	388.02	342.89	1,629.37
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	66	549	148	165	440
Commercial light service.....	15	142	27	65	127
Power service.....		6	2	5	11
Total.....	81	697	177	235	578

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1940

Drumbo P.V.	Dublin P.V.	Dundas 5,012	Dunnville 3,870	Dutton 843	East York Twp.	Elmira 2,069
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,403.07	1,198.32	23,697.80	14,835.93	3,323.42	209,961.99	15,039.75
960.11	783.58	13,276.96	15,923.13	2,226.36	32,147.98	8,162.84
712.93	1,406.26	28,084.17	12,816.98	3,138.27	35,898.41	5,627.29
.....	.....	410.02	2,567.10	.....	5,342.71	957.23
533.00	550.00	5,631.00	3,629.78	1,035.69	21,755.79	2,035.00
.....	.....	.....	.....	7.71	.....	.....
80.14	.....	499.64	1,067.68	268.69	60.49	993.14
4,689.25	3,938.16	71,599.59	50,840.60	10,000.14	305,167.37	32,815.25
3,150.73	3,088.86	48,636.84	25,881.10	7,800.09	185,094.49	20,846.90
.....	.....	500.79	479.18	.....	675.07	.....
260.20	76.29	3,902.58	2,845.03	313.42	6,779.54	1,370.96
.....	.....	227.12	166.20	2.45	267.83	6.16
39.68	2.35	1,353.91	534.65	110.80	4,566.03	500.10
.....	21.04	243.47	.....	.....	4,597.26	321.14
95.60	131.14	562.42	625.57	259.40	1,857.17	113.63
.....	.....	.....	19.05	.....	.....	341.65
245.63	.....	1,231.09	863.23	476.10	14,475.99	872.69
88.00	266.99	2,288.38	1,555.61	168.95	12,393.56	621.63
1.12	8.02	744.51	187.33	25.55	981.42	263.58
.....	.....	1,114.28	268.83	.....	.....	262.65
63.37	.88	563.48	1,864.39	.....	9,007.87	711.01
229.36	.....	2,990.44	3,696.55	.....	20,001.05	2,302.18
368.00	366.00	5,185.00	4,166.00	715.00	17,568.00	2,531.00
.....	.....	.....	.....	.....	.....	.....
4,541.69	3,961.57	69,544.31	43,152.72	9,871.76	278,265.28	31,065.28
147.56	.....	2,055.28	7,687.88	128.38	26,902.09	1,749.97
.....	23.41	.....	.....	.....	.....	.....
90	55	1,324	958	227	10,166	531
27	23	195	218	65	459	120
1	2	37	26	9	46	21
118	80	1,556	1,202	301	10,671	672

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Elora	Embro	Erieau	Erie Beach	Essex
Population.....	1,187	435	295	21	1,854
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	7,708.07	3,271.35	4,074.75	1,726.29	8,251.99
Commercial light service.....	4,478.47	1,347.26	1,446.90	378.16	7,364.34
Commercial power service.....	3,321.94	100.14	421.89		5,657.50
Municipal power.....					1,409.87
Street lighting.....	1,390.68	636.00	498.00		2,279.45
Merchandise.....					
Miscellaneous.....	383.98	48.25	13.00		651.52
Total earnings.....	17,283.14	5,403.00	6,454.54	2,104.45	25,614.67
<b>EXPENSES</b>					
Power purchased.....	10,810.71	3,323.06	3,525.98	980.01	15,333.33
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	844.78	204.73	259.82	93.20	954.28
Line transformer maintenance.....	23.03		41.53	23.26	55.75
Meter maintenance.....	135.50	49.06	117.70	61.66	238.37
Consumers' premises expenses.....	283.32		352.65	6.33	84.82
Street lighting, operation and maintenance.....	119.63	114.06	156.02		475.56
Promotion of business.....	65.08	60.00			67.97
Billing and collecting.....	776.62	283.57	509.94	199.61	1,124.66
General office, salaries and expenses.....	780.22	102.40	306.13	110.23	1,784.50
Undistributed expenses.....	177.09		27.29		205.12
Truck operation and maintenance.....	257.48				353.94
Interest.....			137.32	96.38	856.92
Sinking fund and principal payments on debentures.....			488.62	191.32	693.45
Depreciation.....	1,365.00	565.00	508.00	115.00	2,290.00
Other reserves.....					106.37
Total operating costs and fixed charges.....	15,638.46	4,701.88	6,431.00	1,877.00	24,625.04
Net surplus.....	1,644.68	701.12	23.54	227.45	989.63
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	355	119	190	87	487
Commercial light service.....	74	38	13	3	125
Power service.....	4	1	2		19
Total.....	433	158	205	90	631



## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1940

Etobicoke Twp.	Exeter	Fergus	Fonthill	Forest	Forest Hill	Galt
	1,654	2,732	860	1,520	11,757	14,286
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
160,719.82	11,959.83	20,326.91	5,446.16	12,652.33	205,573.16	100,961.46
27,627.40	6,981.20	8,828.22	1,862.86	6,690.90	27,864.88	49,933.31
22,981.89	3,249.32	17,265.10	286.68	3,976.35	2,894.06	124,913.69
4,837.80	484.60	708.48	223.66	1,221.96	538.24	4,179.08
13,875.54	2,752.67	2,666.24	1,446.67	2,439.00	7,865.98	16,028.05
.....	362.98	.....	.....	454.38	.....	.....
.....	840.63	.....	48.15	668.66	2,245.11	4,243.37
230,042.45	26,631.23	49,794.95	9,314.18	28,103.58	246,981.43	300,258.96
152,846.36	17,136.59	*38,742.66	4,158.89	17,698.22	166,362.65	212,000.98
.....	.....	.....	.....	.....	.....	5,719.41
.....	.....	.....	.....	.....	3,532.78	174.65
8,083.97	617.23	1,207.15	534.11	2,016.56	6,282.17	4,165.71
915.94	20.04	235.77	.....	.....	108.46	641.16
837.70	389.13	431.32	9.08	303.44	1,289.74	1,606.14
7,768.88	164.51	102.63	50.16	994.18	3,880.58	4,334.94
669.21	592.02	430.71	98.86	325.26	862.16	2,386.89
.....	.....	10.22	.....	.....	.....	419.13
7,358.74	855.53	1,089.91	521.84	875.66	4,724.26	3,450.33
5,340.89	1,599.38	774.10	110.82	1,151.16	6,252.58	6,772.94
2,108.31	41.36	178.03	52.58	163.60	914.62	2,444.64
1,056.17	242.25	310.99	.....	351.16	844.15	457.61
6,546.29	67.57	812.42	491.44	265.29	11,926.32	3,574.35
13,092.66	1,351.48	1,494.06	1,150.48	1,110.83	12,273.87	24,285.97
15,051.00	1,892.00	1,950.00	615.00	1,799.00	11,977.00	28,216.00
.....	.....	.....	.....	.....	201.43	.....
221,676.12	24,969.09	47,769.97	7,793.26	27,054.36	231,432.77	300,650.85
8,366.33	1,662.14	2,024.98	1,520.92	1,049.22	15,548.66	.....
.....	.....	.....	.....	.....	.....	391.88
4,670	478	721	258	471	3,325	3,969
287	122	120	34	127	242	502
40	13	13	3	20	23	114
4,997	613	854	295	618	3,590	4,585

\* 1940 cost adjustment deferred to subsequent year. (13th account).

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality.....	George- town 2,427	Glencoe 726	Goderich 4,484	Granton P.V.	Guelph 21,518
Population.....					
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	19,236.80	5,331.38	31,401.37	2,062.24	113,679.80
Commercial light service.....	8,926.82	4,020.08	16,972.12	1,003.53	58,552.25
Commercial power service.....	29,814.64	1,777.29	14,385.84		121,172.17
Municipal power.....	807.88	1,655.07	2,716.50		15,390.10
Street lighting.....	2,887.51	1,989.96	4,494.50	371.31	19,227.06
Merchandise.....			255.27		170.19
Miscellaneous.....	571.50	171.47	616.31	164.45	856.86
<b>Total earnings.....</b>	<b>62,245.15</b>	<b>14,945.25</b>	<b>70,841.91</b>	<b>3,601.53</b>	<b>329,048.43</b>
<b>EXPENSES</b>					
Power purchased.....	45,987.82	8,566.91	45,812.86	2,517.79	254,043.07
Substation operation.....					3,531.31
Substation maintenance.....			1,851.72		
Distribution system, operation and maintenance.....	1,679.58	870.69	2,687.32	44.33	4,676.44
Line transformer maintenance.....	298.01		71.21		595.27
Meter maintenance.....	428.09	172.90	851.02		4,334.38
Consumers' premises expenses.....	426.79		523.93	49.27	1,252.83
Street lighting, operation and main- tenance.....	287.28	195.00	849.51	25.03	5,201.53
Promotion of business.....		115.05			703.12
Billing and collecting.....	1,722.08	623.39	1,668.87	291.34	6,170.03
General office, salaries and expenses.....	805.42	460.10	1,654.74	70.01	10,680.32
Undistributed expenses.....	105.33	87.91	140.31		1,071.72
Truck operation and maintenance.....	334.82		209.82		
Interest.....	302.08	78.71	1,779.06	75.07	
Sinking fund and principal payments on debentures.....	1,150.90	1,427.70	3,160.26	179.20	
Depreciation.....	2,384.00	1,264.00	6,913.00	300.00	20,125.00
Other reserves.....					
<b>Total operating costs and fixed charges.....</b>	<b>55,912.20</b>	<b>13,862.36</b>	<b>68,173.63</b>	<b>3,552.04</b>	<b>312,385.02</b>
<b>Net surplus.....</b>	<b>6,332.95</b>	<b>1,082.89</b>	<b>2,668.28</b>	<b>49.49</b>	<b>16,663.41</b>
<b>Net loss.....</b>					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	764	220	1,271	89	5,437
Commercial light service.....	132	81	256	31	798
Power service.....	27	9	20		139
<b>Total.....</b>	<b>923</b>	<b>310</b>	<b>1,547</b>	<b>120</b>	<b>6,374</b>

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1940

Hagersville	Hamilton	Harriston	Harrow	Hensall	Hespeler	Highgate
1,369	154,690	1,326	1,055	696	2,895	324
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
6,305.62	871,740.09	7,164.86	9,686.22	4,659.00	15,971.78	1,680.85
5,954.04	491,920.80	5,265.27	5,414.04	2,391.61	5,322.55	954.51
16,688.17	2,061,789.60	5,541.12	3,190.34	2,874.16	53,101.51	1,090.99
.....	71,829.73	376.53	.....	33.40	907.57	29.93
2,090.00	124,195.48	1,606.50	1,438.75	1,008.00	3,264.33	567.00
.....	.....	.....	147.99	.....	.....	.....
967.17	68,434.81	165.88	26.52	339.19	1,318.14	114.53
32,005.00	3,689,910.51	20,120.16	19,903.86	11,305.36	79,885.88	4,437.81
25,956.72	2,681,778.24	13,013.36	15,472.82	7,053.67	62,051.40	2,978.79
436.72	68,929.02	.....	.....	.....	345.55	.....
.....	5,893.95	.....	.....	.....	.....	.....
2,214.00	33,900.03	1,439.50	283.69	616.37	3,455.96	21.27
45.25	9,787.91	15.19	41.77	.....	78.85	4.86
385.45	27,583.80	210.13	340.27	.....	280.65	28.64
20.23	35,958.49	183.47	534.54	27.92	929.70	.....
315.31	15,178.53	278.71	327.19	152.58	495.59	68.65
69.00	26,369.06	26.60	22.00	.....	106.02	.....
739.12	63,059.83	707.74	734.05	248.00	1,144.86	307.98
647.34	53,279.43	396.48	533.91	288.04	1,384.01	149.50
44.13	30,950.03	38.31	42.59	28.86	565.12	6.24
422.20	.....	107.11	.....	.....	348.59	.....
69.85	118,130.14	294.25	104.18	215.00	1,141.21	.....
321.11	294,852.81	725.66	781.78	473.05	2,591.06	.....
1,376.00	151,745.84	1,280.00	1,089.00	847.00	3,278.00	463.00
.....	.....	.....	.....	.....	.....	.....
33,062.43	3,617,397.11	18,716.51	20,307.79	9,950.49	78,196.57	4,028.93
.....	72,513.40	1,403.65	.....	1,354.87	1,689.31	408.88
1,057.43	.....	.....	403.93	.....	.....	.....
388	39,915	378	308	212	783	102
112	5,183	102	82	60	105	38
14	1,270	14	7	14	29	6
514	46,368	494	397	286	917	146



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality.....	Humber- stone 2,784	Ingersoll	Jarvis	Kingsville	Kitchener
Population.....		5,302	536	2,360	33,080
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	10,643.05	31,456.54	2,798.43	14,862.56	214,576.95
Commercial light service.....	3,875.61	17,522.98	1,992.32	9,029.76	132,974.17
Commercial power service.....	4,781.78	32,052.08	3,255.67	3,746.13	310,456.96
Municipal power.....		1,356.60		1,205.81	19,540.60
Street lighting.....	1,642.56	4,841.52	858.00	2,880.96	31,836.14
Merchandise.....					
Miscellaneous.....	583.18	1,137.07	159.53	1,325.04	210.00
Total earnings.....	21,526.18	88,366.79	9,063.95	33,050.26	709,594.82
EXPENSES					
Power purchased.....	12,484.99	65,279.61	6,210.88	20,094.89	536,609.23
Substation operation.....		400.33			10,469.84
Substation maintenance.....					1,872.75
Distribution system, operation and maintenance.....	1,190.92	3,080.57	35.22	1,658.48	11,893.73
Line transformer maintenance.....	43.75	251.80		81.30	1,524.26
Meter maintenance.....	511.00	1,093.19		495.62	3,721.42
Consumers' premises expenses.....		830.39		166.68	9,807.77
Street lighting, operation and main- tenance.....	120.70	1,120.54	22.91	378.26	6,751.13
Promotion of business.....		901.96		140.00	6,661.65
Billing and collecting.....	792.79	1,247.82	528.90	1,860.44	13,191.35
General office, salaries and expenses..	315.19	3,850.11	73.04	1,271.65	10,586.34
Undistributed expenses.....	14.06	576.20	7.57	403.23	3,220.40
Truck operation and maintenance....	212.21	466.69		412.12	
Interest.....	594.00	700.00	169.39	1,418.21	6,075.05
Sinking fund and principal payments on debentures.....	1,900.00		709.25	1,015.51	18,477.58
Depreciation.....	1,260.00	4,615.00	530.00	2,362.00	42,569.00
Other reserves.....					
Total operating costs and fixed charges.....	19,439.61	84,414.21	8,287.16	31,758.39	683,431.50
Net surplus.....	2,086.57	3,952.58	776.79	1,291.87	26,163.32
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	682	1,462	151	624	8,046
Commercial light service.....	78	237	41	156	1,090
Power service.....	9	45	3	19	257
Total.....	769	1,744	195	799	9,393

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1940

Lambeth P.V.	La Salle 873	Leamington 5,811	Listowel 2,892	London 74,000	London Twp.	Long Branch 4,200
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3,179.61	6,764.18	27,185.89	16,812.28	553,151.45	13,238.89	29,563.74
1,290.50	1,491.42	19,169.70	12,648.95	227,822.07	2,028.56	6,796.79
.....	270.24	16,808.15	14,328.57	367,095.01	1,608.87	1,443.82
440.09	.....	2,856.76	1,027.93	75,504.87	.....	1,052.86
752.46	804.00	5,418.12	4,465.39	56,307.59	1,245.70	4,564.44
.....	.....	.....	.....	12,166.22	.....	.....
56.67	70.11	1,012.12	655.27	23,879.54	266.86	.....
5,719.33	9,399.95	72,450.74	49,938.39	1,315,926.75	18,388.88	43,421.65
.....	.....	.....	.....	.....	.....	.....
3,798.63	6,537.30	50,709.01	35,735.94	883,094.28	13,656.91	23,380.92
.....	.....	.....	.....	17,274.77	.....	.....
.....	.....	.....	124.10	18,466.36	.....	.....
350.72	360.76	2,109.52	2,144.14	20,930.40	461.61	2,568.94
.....	56.08	27.00	537.65	2,928.91	6.00	90.65
16.80	94.22	776.60	552.16	18,290.89	30.89	319.60
78.90	175.97	567.38	275.70	60,447.12	756.37	660.37
.....	.....	.....	.....	.....	.....	.....
31.14	76.93	967.84	753.40	12,552.83	219.34	356.44
.....	89.04	79.70	55.89	24,266.14	.....	.....
323.00	475.66	1,819.98	983.34	26,772.62	818.47	2,477.57
55.65	234.70	3,344.03	902.97	34,793.77	480.55	2,232.40
.....	64.03	771.90	105.37	17,892.59	4.46	694.23
.....	98.78	525.54	347.24	1,322.26	.....	.....
.....	398.71	.....	44.42	27,071.67	267.60	488.98
.....	952.65	.....	740.24	48,903.36	737.92	2,023.18
479.00	1,116.00	4,558.00	3,549.00	120,518.87	1,099.00	2,813.00
.....	.....	66.02	.....	3,806.44	.....	.....
5,133.84	10,730.83	66,322.52	46,851.56	1,339,333.28	18,539.12	38,106.28
585.49	.....	6,128.22	3,086.83	.....	.....	5,315.37
.....	1,330.88	.....	.....	23,406.53	150.24	.....
.....	.....	.....	.....	.....	.....	.....
133	221	1,570	770	18,285	446	1,388
24	15	265	162	2,163	22	98
2	2	34	23	462	5	5
159	238	1,869	955	20,910	473	1,491

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Lucan	Lynden	Markham	Merlin	Merritton
Population.....	599	P.V.	1,170	P.V.	2,656
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	4,446.62	2,264.97	7,563.03	2,457.68	13,960.91
Commercial light service.....	2,359.95	884.22	3,341.61	2,253.33	3,263.26
Commercial power service.....	2,058.25	753.17	2,796.37	703.11	140,497.00
Municipal power.....			371.15		1,997.81
Street lighting.....	1,518.96	440.00	1,309.00	738.67	3,354.00
Merchandise.....					
Miscellaneous.....	98.90	23.20	375.19	511.64	310.34
Total earnings.....	10,482.68	4,365.56	15,756.35	6,664.43	163,383.32
EXPENSES					
Power purchased.....	5,485.03	3,042.40	10,244.06	3,287.35	126,658.77
Substation operation.....					630.44
Substation maintenance.....					
Distribution system, operation and maintenance.....	216.75	93.47	844.41	138.64	2,002.39
Line transformer maintenance.....			1.20	2.82	18.50
Meter maintenance.....	15.55	90.61	92.44	63.20	451.46
Consumers' premises expenses.....	206.38		122.07	35.71	6.32
Street lighting, operation and maintenance.....	130.86	12.06	150.00	128.09	514.78
Promotion of business.....		142.75	100.00		
Billing and collecting.....	524.52		877.80	251.94	1,605.71
General office, salaries and expenses.....	395.63	212.40	87.93	218.94	1,876.85
Undistributed expenses.....	46.89	29.25	36.55	1.55	778.73
Truck operation and maintenance.....			162.58		172.47
Interest.....	125.19	84.98		166.84	467.75
Sinking fund and principal payments on debentures.....	364.07	224.30		1,010.16	2,187.36
Depreciation.....	780.00	361.00	989.00	467.00	3,609.00
Other reserves.....					2,500.00
Total operating costs and fixed charges.....	8,290.87	4,293.22	13,708.04	5,772.24	143,480.53
Net surplus.....	2,191.81	72.34	2,048.31	892.19	19,902.79
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	185	95	323	122	773
Commercial light service.....	54	20	74	48	66
Power service.....	7	2	9	2	15
Total.....	246	117	406	172	854



## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1940

Milton 1,903	Milverton 997	Mimico 7,112	Mitchell 1,666	Moorefield P.V.	Mount Brydges P.V.	Newbury 275
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
13,099.01	5,108.09	57,116.46	12,652.67	1,010.20	2,657.62	1,310.77
7,047.07	4,073.78	11,475.08	5,980.99	1,210.63	1,237.08	667.73
22,674.07	3,014.13	4,401.82	4,384.79	38.06	866.63	324.68
.....	516.39	6,805.97	836.75	.....	.....	.....
1,953.32	1,035.00	8,226.32	2,552.00	325.00	844.00	720.00
.....	.....	.....	477.39	.....	.....	.....
1,377.14	136.54	1,286.91	296.54	10.19	208.50	.....
46,150.61	13,883.93	89,312.56	27,181.13	2,594.08	5,813.83	3,023.18
31,152.32	9,841.92	54,818.11	17,376.61	1,787.69	3,490.94	1,312.65
423.13	.....	433.43	21.08	.....	.....	.....
2,789.33	556.49	6,411.83	970.22	76.28	88.88	266.09
.....	.....	131.37	49.46	.....	.....	.....
253.15	311.37	1,748.13	249.36	13.70	1.35	18.90
510.79	118.51	1,368.41	466.23	.....	63.28	.....
222.66	121.17	1,029.80	394.87	42.32	50.25	53.06
.....	.....	.....	.....	.....	.....	.....
757.33	696.42	2,557.60	911.11	.....	243.06	52.20
960.69	444.83	1,732.78	1,287.60	128.18	128.22	85.62
139.61	20.67	312.97	421.39	.....	5.00	10.73
523.75	.....	324.19	595.58	.....	.....	.....
241.18	.....	2,681.37	.....	.....	68.25	53.59
1,018.11	.....	6,776.00	.....	.....	222.17	600.00
2,542.00	830.00	6,848.00	3,631.00	245.00	430.00	385.00
.....	.....	.....	.....	.....	.....	.....
41,534.05	12,941.38	87,173.99	26,374.51	2,293.17	4,791.40	2,837.84
4,616.56	942.55	2,138.57	806.62	300.91	1,022.43	185.34
.....	.....	.....	.....	.....	.....	.....
525	246	1,973	502	57	146	63
113	75	153	127	30	42	14
15	10	18	23	1	4	1
653	331	2,144	652	88	192	78

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	New Hamburg 1,446	New Toronto 7,175	Niagara Falls 18,770	Niagara-on the-Lake 1,764	North York Twp.
Population . . . . .					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service . . . . .	10,133.58	38,493.94	127,857.13	14,676.17	183,853.06
Commercial light service . . . . .	4,750.13	18,280.46	67,203.75	5,560.13	29,848.22
Commercial power service . . . . .	5,702.18	186,715.06	72,333.32	561.02	38,256.89
Municipal power . . . . .		12,224.98	13,213.98	1,247.39	7,128.89
Street lighting . . . . .	2,217.00	7,493.25	27,485.43	3,630.65	4,128.67
Merchandise . . . . .	38.71			644.07	
Miscellaneous . . . . .	296.15	860.41	2,420.88	255.13	1,618.96
Total earnings . . . . .	23,137.75	264,068.10	310,514.49	26,574.56	264,834.69
EXPENSES					
Power purchased . . . . .	14,988.15	215,291.53	170,788.61	13,189.46	140,308.10
Substation operation . . . . .	208.62		9,759.69	325.46	
Substation maintenance . . . . .					
Distribution system, operation and maintenance . . . . .	960.57	5,879.08	8,281.35	1,526.05	12,874.36
Line transformer maintenance . . . . .	99.07	240.81	1,451.66		176.54
Meter maintenance . . . . .	264.08	1,301.09	5,833.26		2,262.33
Consumers' premises expenses . . . . .	158.89	75.71	652.70	20.90	2,438.76
Street lighting, operation and main- tenance . . . . .	312.52	807.18	2,453.16	725.48	999.58
Promotion of business . . . . .					
Billing and collecting . . . . .	767.85	2,835.95	6,545.30	1,639.94	6,804.72
General office, salaries and expenses . .	1,128.31	6,681.67	9,605.94	1,364.31	6,152.25
Undistributed expenses . . . . .	279.81	411.45	7,115.02	94.70	2,029.68
Truck operation and maintenance . . .	307.89	732.15	1,906.27	529.13	4,305.63
Interest . . . . .	117.97	92.27	9,190.89	801.44	14,886.56
Sinking fund and principal payments on debentures . . . . .	1,115.24	428.15	34,337.65	1,394.13	22,975.96
Depreciation . . . . .	1,642.00	7,033.00	29,153.00	2,256.00	17,858.00
Other reserves . . . . .			500.00		
Total operating costs and fixed charges . . . . .	22,350.97	241,810.04	297,574.50	23,867.00	234,072.47
Net surplus . . . . .	786.78	22,258.06	12,939.99	2,707.56	30,762.22
Net loss . . . . .					
NUMBER OF CONSUMERS					
Domestic service . . . . .	372	1,856	4,696	539	5,465
Commercial light service . . . . .	94	220	716	95	333
Power service . . . . .	14	33	91	8	42
Total . . . . .	480	2,109	5,503	642	5,840

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1940

Norwich 1,302	Oil Springs 515	Otterville P.V.	Palmerston 1,393	Paris 4,409	Parkhill 1,022	Petrolia 2,772
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,804.15	1,803.41	2,443.39	10,298.89	24,135.45	5,871.26	12,700.03
4,681.08	1,583.14	2,466.30	5,692.19	8,779.83	3,516.85	8,441.33
2,079.23	6,302.84	491.91	5,216.62	17,663.94	1,037.81	25,428.57
.....	.....	.....	1,270.19	1,150.10	643.03	.....
2,100.00	768.00	867.43	2,648.66	5,595.00	1,577.04	2,820.00
58.94	.....	.....	16.68	.....	.....	119.37
177.03	407.15	47.98	1.62	1,538.11	119.60	575.57
17,900.43	10,864.54	6,317.01	25,144.85	58,862.43	12,765.59	50,084.87
11,432.58	7,238.02	3,977.87	17,225.70	39,864.67	8,189.55	29,954.12
.....	.....	.....	246.80	919.98	.....	.....
.....	.....	.....	91.04	.....	.....	.....
1,552.05	509.42	232.35	392.99	4,944.80	491.10	4,426.55
.....	.....	.....	132.30	153.84	.....	204.25
204.02	31.00	271.59	357.32	1,175.56	109.19	833.53
298.78	6.70	.....	572.18	691.88	188.58	486.70
268.51	63.40	68.98	376.58	1,192.68	89.62	188.24
177.00	20.43	.....	2.40	240.00	.....	392.58
574.20	437.34	451.36	706.54	1,343.86	351.85	1,291.22
754.77	177.85	227.46	576.50	1,078.09	140.46	2,014.36
114.88	10.10	6.48	57.20	319.67	19.35	198.58
312.75	.....	.....	328.01	349.30	.....	693.93
99.36	.....	.....	80.75	241.99	62.09	667.67
795.48	.....	.....	375.67	1,013.21	356.40	1,746.53
1,056.00	952.00	580.00	1,565.00	6,102.00	932.00	3,739.00
.....	.....	.....	.....	61.12	.....	.....
17,640.38	9,446.26	5,816.09	23,086.98	59,692.65	10,930.19	46,837.26
260.05	1,418.28	500.92	2,057.87	.....	1,835.40	3,247.61
.....	.....	.....	.....	830.22	.....	.....
382	96	134	392	1,168	298	796
93	33	47	103	192	77	186
8	36	3	12	24	5	64
483	165	184	507	1,384	380	1,046



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality.....	Plattsville	Point Edward	Port Colborne	Port Credit	Port Dalhousie
Population.....	P.V.	1,175	6,483	1,906	1,595
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	2,588.25	6,102.10	31,275.04	16,373.28	16,360.83
Commercial light service.....	1,162.72	2,241.95	18,782.24	7,105.97	3,648.55
Commercial power service.....	1,314.23	36,784.59	17,074.30	3,148.09	5,839.21
Municipal power.....			6,745.36	1,004.12	
Street lighting.....	408.00	1,751.80	8,688.54	2,802.88	1,578.00
Merchandise.....		146.96	1,541.00		
Miscellaneous.....	59.50	542.04	860.71	493.81	747.06
Total earnings.....	5,532.70	47,569.44	84,967.19	30,928.15	28,173.65
EXPENSES					
Power purchased.....	3,525.60	40,773.29	46,425.87	20,074.60	18,746.84
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	126.22	143.65	4,028.02	1,194.70	2,383.17
Line transformer maintenance.....		5.26	122.20	62.66	44.60
Meter maintenance.....	1.25	442.73	1,608.69	307.43	534.84
Consumers' premises expenses.....		13.42	409.38	1,058.33	509.81
Street lighting, operation and main- tenance.....	19.70	231.93	3,194.89	459.96	345.35
Promotion of business.....		30.00			
Billing and collecting.....	256.13	851.98	2,107.85	1,085.45	1,059.02
General office, salaries and expenses..	29.86	491.75	3,188.46	199.94	1,145.09
Undistributed expenses.....	6.29	73.45	235.84	55.22	81.31
Truck operation and maintenance.....			685.69		488.93
Interest.....	73.76	230.27	2,326.26	362.32	378.52
Sinking fund and principal payment on debentures.....	266.91	651.49	6,431.13	752.94	533.99
Depreciation.....	353.00	1,355.00	5,718.00	2,005.50	1,243.00
Other reserves.....				168.82	200.00
Total operating costs and fixed charges.....	4,658.72	45,294.22	76,482.28	27,787.87	27,694.47
Net surplus.....	873.98	2,275.22	8,484.91	3,140.28	479.18
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	114	321	1,541	555	596
Commercial light service.....	24	43	255	89	57
Power service.....	1	10	23	9	14
Total.....	139	374	1,819	653	667

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1940

Port Dover 1,864	Port Rowan 706	Port Stanley *824	Preston 6,292	Princeton P.V.	Queenston P.V.	Richmond Hill 1,317
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
9,344.63	3,023.62	13,990.99	33,093.89	2,409.23	3,583.48	9,279.88
4,987.52	2,165.49	4,606.46	20,868.24	1,025.79	1,661.77	4,542.72
4,310.49	103.73	3,507.54	48,332.91	1,691.11	.....	1,884.78
.....	.....	831.91	1,120.54	.....	.....	383.44
2,739.02	818.66	2,502.60	5,517.45	468.00	384.00	1,494.09
.....	.....	.....	.....	.....	.....	.....
121.14	87.55	408.64	537.64	152.92	32.00	.....
.....	.....	.....	.....	.....	.....	.....
21,502.80	6,199.05	25,848.14	109,470.67	5,747.05	5,661.25	17,584.91
.....	.....	.....	.....	.....	.....	.....
12,880.53	3,328.61	15,529.92	75,458.58	4,606.21	2,957.21	12,222.06
.....	.....	.....	4,652.30	.....	.....	.....
.....	.....	.....	31.78	.....	.....	.....
2,098.44	85.26	2,065.43	2,841.46	77.18	113.13	884.24
118.75	8.70	12.20	292.61	.....	32.90	8.72
593.49	.....	417.10	848.26	10.10	8.25	131.63
12.74	.....	257.05	26.72	.....	80.43	404.45
.....	.....	.....	.....	.....	.....	.....
429.68	108.07	277.51	420.00	50.00	38.64	200.95
10.00	.....	.....	.....	.....	.....	.....
420.76	184.18	809.60	1,822.21	214.96	206.28	756.42
1,323.66	38.20	810.52	2,275.52	62.32	211.16	283.13
218.32	8.31	83.77	853.66	.....	9.82	.....
282.46	.....	432.35	454.22	.....	.....	.....
103.80	357.32	80.67	1,202.18	50.00	148.95	46.44
.....	.....	.....	.....	.....	.....	.....
1,727.24	601.71	1,155.77	4,417.65	180.93	649.69	432.02
1,788.00	462.00	1,683.00	10,189.00	313.00	443.00	692.00
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
22,007.87	5,182.36	23,614.89	105,786.15	5,564.70	4,899.46	16,062.06
.....	.....	.....	.....	.....	.....	.....
.....	1,016.69	2,233.25	3,684.52	182.35	761.79	1,522.85
.....	.....	.....	.....	.....	.....	.....
505.07	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
660	147	738	1,557	91	80	380
119	40	101	232	20	13	69
15	3	9	44	3	.....	13
.....	.....	.....	.....	.....	.....	.....
794	190	848	1,833	114	93	462

\* Summer population 4,500.

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	Ridgetown	Riverside	Rockwood	Rodney	St. Catharines
Population . . . . .	1,981	5,086	P.V.	763	27,756
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service . . . . .	9,057.22	37,786.48	4,063.67	3,447.35	148,233.19
Commercial light service . . . . .	7,786.34	5,104.98	861.52	2,563.56	88,300.40
Commercial power service . . . . .	3,659.25	2,822.96	291.13	1,718.12	213,948.34
Municipal power . . . . .	799.24	3,433.26			
Street lighting . . . . .	3,501.29	3,746.79	799.50	1,273.33	26,589.59
Merchandise . . . . .	191.03				
Miscellaneous . . . . .	389.45	1,714.50	71.10	3.78	3,335.23
Total earnings . . . . .	25,383.82	54,608.97	6,086.92	9,006.14	480,406.75
EXPENSES					
Power purchased . . . . .	17,394.89	29,136.02	3,515.46	6,369.36	347,024.68
Substation operation . . . . .					6,224.67
Substation maintenance . . . . .					
Distribution system, operation and maintenance . . . . .	875.81	2,292.45	308.59	300.58	15,843.03
Line transformer maintenance . . . . .	23.16	154.83			914.02
Meter maintenance . . . . .	443.52	612.43	15.70	176.24	6,475.97
Consumers' premises expenses . . . . .	405.52	842.40	15.00		1,993.93
Street lighting, operation and main- tenance . . . . .	673.44	544.46	77.55	240.28	3,139.00
Promotion of business . . . . .		366.20			392.76
Billing and collecting . . . . .	1,121.16	2,107.40		322.02	12,667.83
General office, salaries and expenses . . . . .	872.48	2,597.98	614.48	437.74	13,122.71
Undistributed expenses . . . . .	75.45	459.66	3.51	29.02	848.09
Truck operation and maintenance . . . . .		728.58			1,483.83
Interest . . . . .	239.74	1,210.38	88.90		7,767.30
Sinking fund and principal payments on debentures . . . . .	537.79	5,653.99	111.71		5,568.29
Depreciation . . . . .	1,748.00	4,705.00	558.00	570.00	23,591.00
Other reserves . . . . .					1,000.00
Total operating costs and fixed charges . . . . .	24,410.96	51,411.78	5,308.90	8,445.24	448,057.11
Net surplus . . . . .	972.86	3,197.19	778.02	560.90	32,349.64
Net loss . . . . .					
NUMBER OF CONSUMERS					
Domestic service . . . . .	578	1,370	170	248	7,377
Commercial light service . . . . .	141	58	27	79	1,033
Power service . . . . .	19	9	2	5	211
Total . . . . .	738	1,437	199	332	8,621



## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1940

St. Clair Beach *133	St. George P.V.	St. Jacobs P.V.	St. Marys 4,018	St. Thomas 16,362	Sarnia 18,218	Scarboro Twp.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,243.85	3,214.29	3,909.36	26,970.87	126,579.82	95,810.53	117,936.04
2,468.91	1,504.63	1,702.65	10,956.64	58,272.36	53,588.33	26,394.57
252.94	2,247.09	3,675.49	19,769.26	57,040.96	164,410.82	13,918.35
.....	.....	.....	3,510.33	5,531.19	4,407.66	13,669.42
.....	523.00	430.00	4,895.75	14,927.54	20,298.73	15,432.08
.....	.....	.....	.....	.....	3,534.06	.....
132.00	131.45	192.24	533.47	4,049.30	10,113.60	.....
5,097.70	7,620.46	9,909.74	66,636.32	266,401.17	352,163.73	187,350.46
3,390.22	4,824.19	6,765.21	42,012.46	†182,507.05	247,259.35	95,214.69
.....	.....	.....	1,696.22	8,098.21	10,889.18	.....
.....	.....	.....	558.56	1,234.44	783.18	.....
236.21	118.81	65.14	2,486.06	7,425.46	7,407.35	7,686.88
40.69	.....	.....	232.88	628.26	628.99	1,060.47
44.91	.....	59.66	1,427.71	3,447.07	4,636.26	2,931.83
77.88	.....	15.45	1,383.53	9,419.96	2,799.45	2,253.88
.....	134.83	39.90	1,006.21	3,174.66	5,955.52	1,903.07
.....	.....	.....	125.33	3,395.85	4,062.93	.....
258.89	498.46	387.35	1,183.97	5,385.56	8,485.67	6,119.56
94.63	84.22	196.40	1,921.63	9,434.33	11,908.42	4,834.20
.....	13.59	8.54	412.26	14,697.05	5,875.67	1,533.68
.....	.....	.....	498.13	.....	1,924.17	1,811.34
77.65	97.47	.....	1,519.09	79.31	1,417.81	4,962.15
535.90	315.36	.....	3,139.18	.....	13,089.07	18,038.69
418.00	417.00	428.00	5,929.00	17,086.00	22,108.00	14,880.00
.....	.....	.....	200.00	.....	.....	.....
5,174.98	6,503.93	7,965.65	65,732.22	266,013.21	349,231.02	163,230.44
.....	1,116.53	1,944.09	904.10	387.96	2,932.71	24,120.02
77.28	.....	.....	.....	.....	.....	.....
77	150	135	1,032	4,444	4,803	5,195
7	33	31	182	615	640	364
1	1	7	39	83	81	36
85	184	173	1,253	5,142	5,524	5,595

\*Summer population 400. †1940 Cost adjustment deferred to subsequent year. (13th account).

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Seaforth	Simcoe	Springfield	Stamford Twp.	Stouffville
Population.....	1,771	6,263	395		1,192
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	10,669.03	26,868.47	1,823.81	59,992.02	7,048.10
Commercial light service.....	6,463.16	32,628.22	829.71	12,035.72	3,727.54
Commercial power service.....	3,723.65	28,451.92	793.11	14,186.41	942.38
Municipal power.....	635.96	1,697.84		1,066.11	
Street lighting.....	2,039.00	5,133.31	611.50	8,151.38	1,397.00
Merchandise.....				1,921.91	
Miscellaneous.....	37.45	2,070.32	80.12	1,140.50	413.36
Total earnings.....	23,568.25	97,850.08	4,138.25	98,494.05	13,528.38
<b>EXPENSES</b>					
Power purchased.....	15,742.06	64,069.61	2,188.60	40,374.89	8,872.68
Substation operation.....		965.89		1,461.72	
Substation maintenance.....	43.59				
Distribution system, operation and maintenance.....	1,233.48	4,307.87	182.56	6,329.57	582.28
Line transformer maintenance.....	225.48	415.73	3.60	34.03	
Meter maintenance.....	478.57	2,309.17	76.47	2,127.56	152.20
Consumers' premises expenses.....	496.30	367.02		2,533.56	123.69
Street lighting, operation and main- tenance.....	268.99	488.41	73.79	1,109.43	202.25
Promotion of business.....	159.23	510.14		477.79	
Billing and collecting.....	1,057.87	2,179.77	446.16	2,360.31	561.09
General office, salaries and expenses..	1,008.46	2,726.45	58.61	5,312.04	248.53
Undistributed expenses.....	198.42	199.19	6.28	387.03	
Truck operation and maintenance...	432.44	1,228.10		1,545.71	
Interest.....		1,743.52	131.21	4,943.09	
Sinking fund and principal payments on debentures.....		4,218.39	245.37	12,742.08	
Depreciation.....	2,229.00	4,986.00	405.00	8,029.00	699.00
Other reserves.....					36.38
Total operating costs and fixed charges.....	23,573.89	90,715.26	3,817.65	89,767.81	11,478.10
Net surplus.....		6,134.82	320.60	8,726.24	2,050.28
Net loss.....	5.64				
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	508	1,584	107	1,962	388
Commercial light service.....	130	377	34	161	90
Power service.....	15	43	3	18	5
Total.....	653	2,004	144	2,141	483

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1940

Stratford 17,159	Strathroy 2,806	Streetsville 697	Sutton 853	Swansea 6,375	Tavistock 1,080	Tecumseh 2,237	Thames- ford P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
134,475.31	20,978.75	4,675.71	8,699.02	76,173.70	7,911.45	13,613.63	3,263.47
58,569.30	12,957.49	1,834.77	4,051.20	10,243.53	3,806.92	5,248.38	1,724.39
55,049.95	9,149.81	3,256.61	1,037.93	16,241.93	8,794.19	2,595.05	1,696.93
9,133.56	1,756.22			2,550.46	371.00		
17,019.71	4,095.96	1,298.50	2,094.46	3,877.69	1,317.60	1,355.00	519.75
802.04							
9,475.54	1,792.94	603.53	10.14	860.13	236.36	251.87	350.95
284,525.41	50,731.17	11,669.12	15,892.75	109,947.44	22,437.52	23,063.93	7,555.48
183,654.87	35,861.60	4,269.49	9,043.77	74,194.51	17,328.07	11,649.78	6,411.87
4,756.65	637.01	1,025.05					
3,407.36							
7,497.15	1,155.31	866.44	328.73	1,477.78	685.39	1,108.63	389.71
335.72	108.02	32.59		76.57		52.40	
2,383.12	738.57	136.23	97.40	681.53	324.54	723.85	8.28
6,603.02	1,126.75	270.28	100.55	2,189.30	276.26	148.33	77.51
4,347.02	772.85	128.59	143.23	367.70	164.79	264.37	83.08
1,518.09	584.35			6.10			64.00
6,484.77	951.49	684.56	540.25	3,226.33	583.75	841.19	231.24
8,954.84	2,381.72	258.20	260.21	2,724.85	401.97	1,339.78	124.06
3,146.85	470.27	44.34	29.26	270.75	16.90	54.27	
1,840.78	861.89		267.29	795.43		429.86	
13,950.00	1,248.85	583.02	357.82	3,193.47	112.93	286.43	38.77
6,824.05	2,076.13	540.37	1,958.87	3,151.55	277.38	2,060.33	161.72
25,292.00	4,130.00	919.00	1,139.00	5,115.00	1,172.00	1,828.00	530.00
300.00		25.00					
281,296.29	53,104.81	9,783.16	14,266.38	97,470.87	21,343.98	20,787.22	8,120.24
3,229.12		1,885.96	1,626.37	12,476.57	1,093.54	2,276.71	
	2,373.64						564.76
4,371	831	184	447	1,932	296	600	136
597	180	48	80	97	96	56	40
118	30	6	3	15	9	3	7
5,086	1,041	238	530	2,044	401	659	183



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	Thames- ville 826	Thedford 648	Thorndale P.V.	Thorold 5,038	Tilbury 1,989
Population . . . . .					
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service . . . . .	3,794.56	3,070.89	1,743.23	19,955.64	6,900.43
Commercial light service . . . . .	3,215.84	2,525.15	819.61	8,171.15	8,879.75
Commercial power service . . . . .	1,617.80	925.05	1,112.39	41,441.56	10,116.52
Municipal power . . . . .	207.92			1,908.75	225.00
Street lighting . . . . .	1,329.68	1,065.00	384.00	3,518.40	1,856.14
Merchandise . . . . .					73
Miscellaneous . . . . .	278.53	190.00	27.36	1,382.35	592.66
Total earnings . . . . .	10,444.33	7,776.09	4,086.59	76,377.85	28,571.23
<b>EXPENSES</b>					
Power purchased . . . . .	6,764.91	4,028.26	2,354.02	52,230.33	20,029.91
Substation operation . . . . .				3,067.93	
Substation maintenance . . . . .					
Distribution system, operation and maintenance . . . . .	444.78	119.17	369.05	1,953.53	1,168.49
Line transformer maintenance . . . . .	18.50		15.00	120.12	43.46
Meter maintenance . . . . .	91.87	32.80	108.94	428.03	401.46
Consumers premises expenses . . . . .	10.75		58.19	189.75	74.45
Street lighting, operation and main- tenance . . . . .	264.10	86.65	39.32	724.30	172.58
Promotion of business . . . . .	26.70				
Billing and collecting . . . . .	331.43	236.82	83.88	1,682.07	637.97
General office, salaries and expenses	193.24	90.75	51.31	1,260.61	765.70
Undistributed expenses . . . . .	26.50	1.87		115.34	161.48
Truck operation and maintenance . . . . .				421.21	109.52
Interest . . . . .		198.40	40.12		183.61
Sinking fund and principal payments on debentures . . . . .		1,280.31	122.51		542.88
Depreciation . . . . .	895.00	514.00	326.00	3,546.00	1,420.00
Other reserves . . . . .					
Total operating costs and fixed charges . . . . .	9,067.78	6,589.03	3,568.34	65,739.22	25,711.51
Net surplus . . . . .	1,376.55	1,187.06	518.25	10,638.63	2,859.72
Net loss . . . . .					
<b>NUMBER OF CONSUMERS</b>					
Domestic service . . . . .	246	153	75	1,201	464
Commercial light service . . . . .	77	49	23	163	132
Power service . . . . .	7	3	2	16	12
Total . . . . .	330	205	100	1,380	608

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1940

Tillsonburg 4,376	Toronto 649,123	Toronto Twp.	Trafalgar Twp. Area No. 1	Trafalgar Twp. Area No. 2	Wallaceburg 4,783	Wardsville 233
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ [c.
19,533.65	4,589,230.39	71,104.62	15,261.10	4,385.54	20,406.25	1,433.81
18,708.95	3,167,159.03	21,698.56	706.94	827.89	14,566.67	1,043.21
11,728.33	4,239,972.17	8,644.91	612.46	89.62	57,956.88	45.63
1,611.23	1,180,162.88				1,532.47	
5,124.87	495,181.60	5,107.08	12,601.68		4,802.04	720.00
802.95					2,625.29	
144.05	280,262.32	2,578.50	404.06	467.76	929.11	50.00
57,654.03	13,951,968.39	109,133.67	19,586.24	5,770.81	102,818.71	3,292.65
35,627.42	*7,470,934.08	66,797.74	11,309.15	3,538.99	71,184.69	1,598.27
941.55	198,305.70				352.64	
	253,277.79					
2,172.00	321,233.79	5,409.75	2,274.93	213.29	3,450.76	92.63
208.28	43,230.70	410.30			388.48	
945.00	108,735.49	719.24	50.10	8.05	1,040.45	
12.83	238,224.60	1,767.83			14.99	
648.34	108,596.17	713.20			927.38	31.17
155.90	154,657.39				213.50	
1,872.27	424,914.61	4,506.52			2,006.29	123.85
3,537.00	329,795.64	5,701.51	1,524.05	543.47	3,654.77	72.41
325.75	†339,561.18	325.48	75.20	10.26	872.21	13.82
600.34		2,023.78	586.97		897.64	
145.92	986,384.43	1,573.65	322.64	521.20	1,410.07	61.22
1,405.45	1,358,057.70	6,359.65	1,350.95	734.83	4,067.57	620.76
4,007.00	1,073,105.38	11,662.00	1,501.00	451.00	5,945.00	305.00
		431.32				
52,605.05	13,409,014.65	108,402.01	18,994.99	6,021.09	96,426.44	2,919.13
5,048.98	542,953.74	731.66	591.25		6,392.27	373.52
				250.28		
1,191	168,360	2,441	374	126	1,165	59
255	25,365	175	4	18	251	24
33	5,135	39	9	1	39	1
1,479	198,860	2,655	387	145	1,455	84

\*Includes 1939 adjustment, 1940 deferred. †Includes \$140,406.45 provision for possible York Twp. profit. ‡Highway lighting.

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality.....	Water- down 892	Waterford	Waterloo	Watford	Welland
Population.....		1,284	8,623	970	11,205
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	4,914.86	6,271.99	64,592.59	7,471.47	58,882.73
Commercial light service.....	1,639.98	3,031.33	26,632.36	3,249.04	36,785.60
Commercial power service.....	1,296.01	5,561.62	36,403.38	3,690.71	152,959.32
Municipal power.....	95.61	254.61	3,698.03	307.08	1,560.40
Street lighting.....	1,092.50	1,488.00	7,849.96	1,620.96	11,514.59
Merchandise.....			303.40	36.04	
Miscellaneous.....	73.08	271.85	1,995.16	220.11	4,854.53
Total earnings.....	9,112.04	16,879.40	141,474.88	16,595.41	266,557.17
EXPENSES					
Power purchased.....	5,655.93	12,190.90	100,165.11	11,642.65	146,007.65
Substation operation.....			2,308.34		6,436.27
Substation maintenance.....			975.96		813.58
Distribution system, operation and maintenance.....	447.41	896.79	4,781.58	926.73	3,767.56
Line transformer maintenance.....		50.50	342.29	170.00	943.77
Meter maintenance.....	99.49	320.77	861.40	157.83	3,900.38
Consumers' premises expenses.....		39.72	2,025.31	303.61	1,584.63
Street lighting, operation and main- tenance.....	182.76	231.22	1,255.65	65.28	1,418.69
Promotion of business.....			50.00		605.33
Billing and collecting.....	514.02	702.44	3,239.73	511.27	3,738.34
General office, salaries and expenses..	159.03	507.04	2,594.23	753.56	10,488.79
Undistributed expenses.....	29.15	23.71	295.24	24.73	553.99
Truck operation and maintenance.....			679.51	217.92	1,179.04
Interest.....			404.38		7,052.12
Sinking fund and principal payments on debentures.....			5,538.68		9,475.56
Depreciation.....	961.00	1,234.00	11,402.00	1,066.00	16,141.53
Other reserves.....					391.67
Total operating costs and fixed charges.....	8,048.79	16,197.09	136,919.41	15,839.58	214,498.90
Net surplus.....	1,063.25	682.31	4,555.47	755.83	52,058.27
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	256	364	2,151	295	2,626
Commercial light service.....	34	80	248	77	496
Power service.....	7	14	71	6	84
Total.....	297	458	2,470	378	3,206



## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1940

Wellesley P.V.	West Lorne 783	Weston 5,289	Wheatley 770	Windsor 102,680	Woodbridge 914	Woodstock 11,418
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,398.23	3,217.76	49,854.99	3,886.41	707,339.40	7,499.40	75,020.26
1,620.24	2,202.30	12,468.72	3,267.73	384,817.81	2,166.44	45,367.61
1,343.74	2,524.53	53,028.55	2,531.16	569,927.51	9,073.28	80,052.78
.....	.....	540.86	489.80	19,123.69	652.74	2,967.72
660.00	1,060.02	7,287.13	1,528.12	107,669.02	1,067.92	8,845.41
.....	90	.....	.....	13,212.67	.....	.....
56.48	30.41	1.73	222.15	986.95	57.90	3,241.39
6,078.69	9,035.92	123,181.98	11,925.37	1,803,077.05	20,517.68	215,495.17
3,810.37	5,346.34	94,169.43	6,708.33	1,038,947.16	15,388.20	169,385.04
.....	.....	260.60	.....	34,062.96	.....	2,869.58
.....	.....	.....	.....	14,789.12	.....	.....
155.25	317.18	3,877.95	627.34	41,801.41	389.39	5,065.44
.....	3.28	186.12	40.00	10,478.40	.....	.....
52.35	110.77	533.95	176.50	24,174.86	.....	4,097.68
25.12	100.24	2,505.57	49.00	69,309.10	178.28	2,374.71
135.33	120.73	865.23	414.54	33,103.14	88.88	2,065.49
.....	.....	.....	55.14	31,108.54	.....	1,366.45
260.55	542.24	1,289.36	498.00	54,602.41	.....	3,587.36
226.44	185.90	3,331.04	160.11	42,849.44	872.55	6,258.58
9.54	.....	399.88	73.21	14,664.37	.....	1,794.20
.....	.....	430.37	.....	.....	.....	678.01
.....	.....	1,106.46	210.66	24,774.23	181.91	783.00
.....	.....	4,355.77	878.12	139,809.22	424.16	310.25
416.00	795.00	6,282.00	800.00	125,781.00	1,030.00	16,448.00
.....	.....	100.00	.....	.....	.....	.....
5,090.95	7,521.68	119,693.73	10,690.95	1,700,255.36	18,553.37	217,083.79
987.74	1,514.24	3,488.25	1,234.42	102,821.69	1,964.31	.....
.....	.....	.....	.....	.....	.....	1,588.62
131	221	1,447	228	23,872	295	3,230
49	57	171	70	3,162	4P	470
4	6	29	6	458	7	90
184	284	1,647	304	27,492	350	3,790

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

**NIAGARA  
SYSTEM—Concluded**

Municipality.....	Wyoming	*York Twp.	Zurich	NIAGARA SYSTEM SUMMARY
Population.....	530		P.V.	
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	2,494.94	505,465.94	3,294.38	10,789,978.33
Commercial light service.....	1,512.13	79,368.90	2,755.49	6,044,778.67
Commercial power service.....	261.23	109,881.71		10,342,811.51
Municipal power.....		6,972.38		1,567,078.63
Street lighting.....	780.00	45,893.02	693.00	1,405,551.57
Merchandise.....				42,493.30
Miscellaneous.....	18.25	19,937.08	160.12	484,752.76
Total earnings.....	5,066.55	767,519.03	6,902.99	30,677,444.77
EXPENSES				
Power purchased.....	2,885.76		4,203.08	18,721,793.47
Substation operation.....				427,408.70
Substation maintenance.....				312,889.94
Distribution system, operation and maintenance.....	271.88		188.72	721,836.99
Line transformer maintenance.....	3.60	†617,147.87		87,737.36
Meter maintenance.....	137.19		27.40	288,356.74
Consumers' premises expenses.....				518,777.87
Street lighting, operation and maintenance.....	165.21		100.26	266,654.96
Promotion of business.....				270,076.87
Billing and collecting.....	241.28		221.87	816,070.01
General office, salaries and expenses..	151.49		108.54	746,191.61
Undistributed expenses.....	7.44		7.15	480,669.57
Truck operation and maintenance.....				52,972.64
Interest.....		11,127.22	149.01	1,323,150.11
Sinking fund and principal payments on debentures.....		26,639.45	254.12	2,223,707.93
Depreciation.....	474.00	23,663.00	509.00	2,125,698.12
Other reserves.....				12,585.14
Total operating costs and fixed charges.....	4,337.85	678,577.54	5,769.15	29,396,578.03
Net surplus.....	728.70	88,941.49	1,133.84	1,280,866.74
Net loss.....				
NUMBER OF CONSUMERS				
Domestic service.....	156	19,419	140	414,542
Commercial light service.....	51	1,114	41	59,504
Power service.....	3	159		10,807
Total.....	210	20,692	181	484,853

\*For year 1939. Included in Toronto figures. Not added in summary.

†Toronto Operating Costs.

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1940

GEORGIAN BAY  
SYSTEM

Alliston	Arthur	Barrie	Beaverton	Beeton	Bradford	Brechin
1,437	1,038	8,446	915	568	1,004	P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
10,601.69	5,350.21	71,044.77	5,392.66	3,438.83	6,233.81	1,527.49
7,399.95	4,972.13	45,137.59	2,550.30	2,273.83	4,267.51	766.33
2,036.45	626.57	19,731.71	1,216.92	1,403.70	1,741.28	817.66
662.67	322.95	1,325.04	.....	.....	281.78	.....
1,978.94	1,461.20	6,198.50	1,307.00	1,264.00	1,072.00	476.00
.....	.....	36.32	.....	.....	.....	.....
24.20	.....	270.73	920.70	50.08	150.95	.....
22,703.90	12,733.06	143,744.66	11,387.58	8,430.44	13,747.33	3,587.48
14,561.58	9,559.09	113,130.24	8,833.02	6,365.53	8,858.82	2,450.15
.....	.....	1,121.07	.....	.....	.....	.....
.....	.....	27.93	.....	.....	.....	.....
766.39	735.84	5,859.43	525.11	356.52	222.19	225.56
.....	61.64	397.35	.....	.....	.....	.....
67.95	139.90	1,064.91	42.50	185.90	184.22	.....
575.26	.....	2,129.65	90.82	.....	71.11	.....
406.39	177.49	1,173.01	178.46	155.03	178.80	117.12
.....	.....	730.59	.....	.....	.....	.....
777.67	.....	4,920.80	599.33	145.81	480.92	.....
361.28	497.51	2,986.49	320.68	129.15	171.82	199.38
32.48	22.40	477.66	10.98	.....	51.12	.....
.....	.....	629.07	.....	.....	.....	.....
1,009.31	709.61	816.30	150.04	346.78	744.70	176.14
2,138.66	1,076.25	1,831.20	735.19	628.99	1,268.44	141.98
1,681.00	1,206.00	8,986.85	1,442.00	752.00	1,130.00	174.00
.....	.....	116.68	83.43	.....	93.39	25.00
22,377.97	14,185.73	146,399.23	13,011.56	9,065.71	13,455.53	3,509.33
325.93	.....	.....	.....	.....	291.80	78.15
.....	1,452.67	2,654.57	1,623.98	635.27	.....	.....
412	224	2,192	331	130	241	57
106	88	427	66	34	68	18
14	6	53	9	5	8	4
532	318	2,672	406	169	317	79



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality . . . . .	Canning- ton 705	Chats- worth 321	Chesley 1,743	Coldwater 606	Colling- wood 5,342
Population . . . . .					
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service . . . . .	5,590.23	1,959.00	9,224.47	3,562.54	28,379.14
Commercial light service . . . . .	2,492.43	1,330.31	5,726.29	1,360.02	14,280.05
Commercial power service . . . . .	1,505.95		6,461.12	1,918.23	24,754.01
Municipal power . . . . .			823.75		1,665.63
Street lighting . . . . .	1,155.48	533.00	1,378.64	873.00	3,816.00
Merchandise . . . . .			154.56		
Miscellaneous . . . . .	47.63	26.19	169.67	188.40	1,119.77
<b>Total earnings . . . . .</b>	<b>10,791.72</b>	<b>3,848.50</b>	<b>23,938.50</b>	<b>7,902.19</b>	<b>74,014.60</b>
<b>EXPENSES</b>					
Power purchased . . . . .	6,704.15	2,890.89	19,396.44	5,545.65	61,550.84
Substation operation . . . . .					439.71
Substation maintenance . . . . .					
Distribution system, operation and maintenance . . . . .	563.34	67.68	432.10	451.64	1,325.72
Line transformer maintenance . . . . .		111.52	40.20		154.20
Meter maintenance . . . . .	256.07	65.54	214.46	136.35	214.22
Consumers premises expenses . . . . .	254.86		226.95	21.65	
Street lighting, operation and main- tenance . . . . .	171.25	24.28	146.77	176.14	390.18
Promotion of business . . . . .			102.73		
Billing and collecting . . . . .	529.56		575.25	445.78	2,088.89
General office, salaries and expenses . . . . .	515.46	399.56	666.51	176.17	997.94
Undistributed expenses . . . . .		16.41	34.27		290.64
Truck operation and maintenance . . . . .					383.08
Interest . . . . .	196.57			92.89	
Sinking fund and principal payments on debentures . . . . .	631.74			388.80	
Depreciation . . . . .	912.00	337.00	1,732.00	720.00	4,804.00
Other reserves . . . . .					
<b>Total operating costs and fixed charges . . . . .</b>	<b>10,735.00</b>	<b>3,912.88</b>	<b>23,567.68</b>	<b>8,155.07</b>	<b>72,639.42</b>
<b>Net surplus . . . . .</b>	<b>56.72</b>		<b>370.82</b>		<b>1,375.18</b>
<b>Net loss . . . . .</b>		<b>64.38</b>		<b>252.88</b>	
<b>NUMBER OF CONSUMERS</b>					
Domestic service . . . . .	248	95	436	162	1,397
Commercial light service . . . . .	72	34	100	47	201
Power service . . . . .	10		22	3	51
<b>Total . . . . .</b>	<b>330</b>	<b>129</b>	<b>558</b>	<b>212</b>	<b>1,649</b>

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1940

Cookstown P.V.	Creemore 638	Dundalk 703	Durham 1,854	Elmvale P.V.	Elmwood P.V.	Flesherton 457
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,334.32	3,399.08	3,472.52	7,046.04	3,698.68	1,177.94	2,048.72
1,545.33	1,606.25	2,987.74	5,245.44	1,937.81	645.18	1,842.32
889.36	1,025.60	3,068.96	3,597.10	3,237.06	1,210.30	688.15
.....	.....	.....	692.65	225.00	.....	.....
855.00	754.00	1,230.00	1,640.00	720.00	415.93	641.75
.....	.....	.....	2.35	.....	.....	.....
153.54	90.00	135.00	383.09	148.59	98.23	127.34
5,777.55	6,874.93	10,894.22	18,606.67	9,967.14	3,547.58	5,348.28
3,138.74	6,006.71	8,914.73	14,239.10	6,427.81	2,574.47	3,266.97
.....	.....	.....	.....	.....	.....	.....
154.05	291.56	737.83	881.84	283.91	26.14	150.73
.....	.....	92.70	16.80	.....	.....	.....
34.35	176.17	105.35	337.56	66.20	.....	26.96
.....	.....	.....	20.80	159.86	.....	.....
120.75	166.19	149.71	238.26	127.19	19.19	53.00
.....	.....	47.78	.....	.....	.....	104.00
325.01	213.96	.....	698.27	294.21	.....	.....
72.76	60.74	872.13	758.67	182.73	187.99	382.62
6.61	.....	34.20	60.66	.....	.....	.....
.....	.....	.....	267.62	.....	.....	.....
287.92	.....	.....	.50	62.00	2.72	98.73
439.56	.....	.....	.....	393.36	.....	365.70
637.00	526.00	588.00	1,425.00	813.00	273.00	405.00
.....	.....	.....	.....	.....	.....	.....
5,216.75	7,441.33	11,542.43	18,945.08	8,810.27	3,083.51	4,853.71
560.80	.....	.....	.....	1,156.87	464.07	494.57
.....	566.40	648.21	338.41	.....	.....	.....
109	162	198	469	190	66	143
32	56	71	103	46	22	50
3	3	5	14	9	1	2
144	221	274	586	245	89	195

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality.....	Grand Valley 629	Gravenhurst	Hanover	Holstein	Huntsville
Population.....		2,193	3,235	P. V.	2,764
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	3,464.12	10,328.46	19,821.78	971.48	13,639.62
Commercial light service.....	2,293.32	9,799.78	8,537.07	720.58	12,026.40
Commercial power service.....	1,542.23	12,797.39	18,972.84	260.92	14,941.47
Municipal power.....		669.03	284.62		1,153.07
Street lighting.....	920.00	2,092.98	2,449.33	345.00	2,780.00
Merchandise.....		2,576.39	1.38		
Miscellaneous.....	199.54	30.00	1,692.32	67.50	328.46
Total earnings.....	8,419.21	38,294.03	51,759.34	2,365.48	44,869.02
EXPENSES					
Power purchased.....	6,334.69	24,702.34	38,162.95	1,339.70	35,371.48
Substation operation.....		119.84			252.60
Substation maintenance.....					
Distribution system, operation and maintenance.....	334.42	3,138.78	1,770.35	37.15	1,867.66
Line transformer maintenance.....		257.60	41.12		
Meter maintenance.....	134.35	398.45	366.71		322.34
Consumers' premises expenses.....		367.04	154.02		156.06
Street lighting, operation and main- tenance.....	80.79	475.02	313.79	2.00	610.78
Promotion of business.....					252.60
Billing and collecting.....		1,099.45	1,620.25		1,226.50
General office, salaries and expenses..	609.30	741.21	798.88	256.64	1,518.04
Undistributed expenses.....	16.78	507.42	394.21		260.66
Truck operation and maintenance.....		330.86			190.89
Interest.....	12.45	434.51	613.85	1.43	
Sinking fund and principal payments on debentures.....			2,361.18		
Depreciation.....	706.00	2,807.00	4,290.00	149.00	1,608.00
Other reserves.....		100.00			63.71
Total operating costs and fixed charges.....	8,228.78	35,479.52	50,887.31	1,785.92	43,448.72
Net surplus.....	190.43	2,814.51	872.03	579.56	1,420.30
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	171	529	777	52	691
Commercial light service.....	51	113	141	22	139
Power service.....	4	16	23	2	15
Total.....	226	658	941	76	845



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1940

Kincardine	Kirkfield	Lucknow	Markdale	Meaford	Midland	Mildmay
2,470	P.V.	1,015	795	2,759	6,600	756
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
15,889.23	1,025.18	6,099.27	3,772.67	13,310.58	35,613.65	3,555.95
9,378.77	1,156.05	4,080.72	2,945.80	8,533.10	17,713.45	2,472.64
10,854.03		4,187.72	1,844.30	5,017.94	52,464.63	936.52
1,302.21		504.95	107.69	1,112.01	2,778.36	
4,346.52	480.00	1,462.50	1,010.00	3,037.57	6,376.00	661.76
43.32		68.56	184.71	796.92	1,924.82	139.76
41,814.08	2,661.23	16,403.72	9,865.17	31,808.12	116,870.91	7,766.63
27,968.59	1,421.80	11,129.14	6,374.96	21,656.65	99,605.86	5,073.91
339.16					2,184.09	
					325.04	
1,923.57	122.67	322.00	201.27	2,111.46	4,825.08	221.84
166.80		105.27	2.00	171.68	18.68	
153.10		141.82	234.85	264.73	1,253.38	30.90
115.74			69.81	183.95	942.45	112.17
508.60	58.95	112.12	106.43	511.89	639.59	57.36
69.56			7.76		776.01	
766.94				709.59	2,218.16	
915.28	162.57	978.16	520.56	733.95	2,041.44	453.08
175.34		63.73		255.30	1,140.29	
44.66				188.15	421.90	
445.72	5.40	233.63	192.91	1,001.17		470.33
4,715.23		1,423.39	460.93	4,390.58		574.45
2,843.00	272.00	1,012.00	760.00	1,741.00	12 456.00	296.00
	50.00					
41,151.29	2,093.39	15,521.26	8,931.48	33,920.10	128,847.97	7,290.04
662.79	567.84	882.46	933.69			476.59
				2,111.98	11,977.06	
698	35	244	219	707	1,559	173
112	19	82	80	148	198	53
18		7	9	18	49	3
828	54	333	308	873	1,806	229

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality.....	Mount Forest 1,909	Neustadt 468	Orangeville 2,608	Owen Sound 13,659	Paisley 727
Population.....					
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	9,865.03	2,058.15	16,135.51	60,413.31	4,210.14
Commercial light service.....	7,581.37	1,050.36	10,583.20	44,135.76	2,695.08
Commercial power service.....	4,893.00	390.19	5,437.98	48,305.71	1,043.35
Municipal power.....	934.67		1,057.24	508.47	
Street lighting.....	2,270.02	702.00	2,680.37	11,825.00	1,170.00
Merchandise.....			80.80	1,709.98	
Miscellaneous.....	204.86	146.99	479.00	1,392.18	130.40
Total earnings.....	25,748.95	4,347.69	36,454.10	168,290.41	9,248.97
<b>EXPENSES</b>					
Power purchased.....	21,628.02	1,928.87	27,988.84	142,963.23	6,070.75
Substation operation.....				4,027.96	
Substation maintenance.....					
Distribution system, operation and maintenance.....	383.59	94.46	1,212.39	3,446.67	390.85
Line transformer maintenance.....	30.87	43.07	276.16	1,414.56	30.85
Meter maintenance.....	129.60	59.00	316.00	1,722.38	46.58
Consumers' premises expenses.....			260.28	2.76	
Street lighting, operation and main- tenance.....	256.75	67.85	609.06	2,105.68	94.51
Promotion of business.....			132.55	958.74	
Billing and collecting.....	588.16		1,074.82	5,465.85	
General office, salaries and expenses..	136.70	312.81	782.28	5,491.41	558.91
Undistributed expenses.....	36.53	11.14	64.72	1,835.60	18.30
Truck operation and maintenance.....	150.20			1,016.85	
Interest.....	383.83	29.51	171.00	113.33	258.12
Sinking fund and principal payments on debentures.....	921.37	493.60	88.91		1,080.75
Depreciation.....	1,660.00	745.00	2,457.00	8,929.00	639.00
Other reserves.....					
Total operating costs and fixed charges.....	26,305.62	3,785.31	35,434.01	179,494.02	9,188.62
Net surplus.....		562.38	1,020.09		60.35
Net loss.....	556.67			11,203.61	
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	484	96	750	3,432	205
Commercial light service.....	138	27	145	589	57
Power service.....	15	1	24	108	4
Total.....	637	124	919	4,129	266

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1940

Penetan- guishene 4,076	Port Elgin 1,374	Port McNicol 940	Port Perry 1,145	Priceville P.V.	Ripley 439	Rosseau 310
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
12,470.63	10,451.40	4,244.37	7,995.06	761.30	3,182.77	2,839.19
7,598.17	6,161.25	723.79	3,122.26	276.76	1,665.95	1,034.13
16,794.05	3,144.05	48.69	2,146.36	81.61	1,361.71	.....
1,840.57	758.72	.....	322.92	.....	.....	.....
2,298.79	2,612.50	964.00	1,665.00	480.00	969.50	1,410.00
61.39	330.94	.....	474.19	3.27	7.79	16.61
41,063.60	23,458.86	5,980.85	15,725.79	1,602.94	7,187.72	5,299.93
29,418.12	16,717.99	3,280.30	11,563.03	568.06	4,971.00	2,732.77
177.81	.....	.....	.....	.....	.....	.....
2,266.52	948.13	362.56	833.26	145.63	169.79	387.01
258.90	15.70	.....	.....	.....	.....	.....
275.59	83.91	75.25	103.85	.....	82.37	.....
259.25	126.38	.....	.....	.....	.....	.....
298.28	263.25	125.25	160.53	8.00	28.54	71.60
104.78	.....	.....	.....	.....	.....	.....
1,370.01	621.43	554.29	730.61	.....	.....	190.14
1,051.75	288.91	285.83	368.42	96.72	482.48	66.82
228.42	40.38	66.94	.....	.....	16.61	.....
217.74	171.55	.....	.....	.....	.....	.....
195.61	1,402.36	24.33	592.63	29.50	455.68	636.23
2,298.74	1,970.50	184.40	1,123.97	493.60	574.06	501.30
3,572.00	1,178.00	502.00	1,084.00	247.00	568.00	311.00
262.66	.....	.....	.....	.....	.....	.....
42,256.18	23,828.49	5,461.15	16,560.30	1,588.51	7,348.53	4,896.87
.....	.....	519.70	.....	14.43	.....	403.06
1,192.58	369.63	.....	834.51	.....	160.81	.....
682	462	231	354	32	130	70
113	113	20	81	12	48	18
25	6	1	11	1	1	.....
820	581	252	446	45	179	88



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality.....	Shelburne	South- ampton	Stayner	Sunderland	Tara
Population.....	1,018	1,515	1,013	P.V.	483
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	5,768.10	10,040.53	5,091.66	2,860.41	3,232.07
Commercial light service.....	3,666.89	4,659.32	3,695.04	1,574.90	1,640.13
Commercial power service.....	2,532.67	3,351.98	2,055.40	229.53	1,327.14
Municipal power.....	212.36	1,104.72	59.44		
Street lighting.....	882.00	2,467.68	1,192.00	734.60	1,104.00
Merchandise.....					
Miscellaneous.....	340.00	30.38	162.18	10.95	10.07
Total earnings.....	13,402.02	21,654.61	12,255.72	5,410.39	7,313.41
<b>EXPENSES</b>					
Power purchased.....	10,713.22	13,853.19	9,770.95	3,789.64	4,262.74
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	334.73	1,179.59	579.56	385.01	105.40
Line transformer maintenance.....					
Meter maintenance.....	180.92	141.46	109.65	89.02	206.21
Consumers' premises expenses.....		133.30			
Street lighting, operation and main- tenance.....	88.07	178.13	215.15	143.36	98.54
Promotion of business.....					
Billing and collecting.....	605.19	843.04	527.11	286.96	
General office, salaries and expenses..	286.11	565.83	385.44	183.64	591.10
Undistributed expenses.....	10.82	57.59	13.37		11.73
Truck operation and maintenance.....		193.55			
Interest.....		739.21			34.91
Sinking fund and principal payments on debentures.....		1,548.23			634.59
Depreciation.....	1,220.00	1,142.00	1,126.00	383.00	712.00
Other reserves.....					
Total operating costs and fixed charges.....	13,439.06	20,575.12	12,727.23	5,260.63	6,657.22
Net surplus.....		1,079.49		149.76	656.19
Net loss.....	37.04		471.51		
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	308	519	280	118	149
Commercial light service.....	75	96	93	43	38
Power service.....	15	12	15	2	5
Total.....	398	627	388	163	192

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1940

Teeswater 840	Thornton P.V.	Tottenham 532	Uxbridge 1,535	Victoria Harbour 979	Walkerton 2,523	Waubauskene P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
5,167.45	1,540.31	3,656.61	8,827.05	3,796.73	17,467.49	3,516.51
2,818.78	503.30	1,844.44	4,965.65	540.91	10,716.90	558.16
1,028.68	327.96	422.91	2,083.25		7,540.24	112.66
180.00		164.57		94.50	520.87	141.22
1,107.60	625.00	882.00	1,607.13	663.00	2,874.52	482.00
					288.21	
151.56		4.86	20.46		.81	
10,454.07	2,996.57	6,975.39	17,503.54	5,095.14	39,409.04	4,810.55
6,674.28	1,688.12	5,331.05	13,683.08	2,946.00	26,535.56	3,774.30
405.31	122.36	287.47	821.86	339.70	959.49	97.38
105.97		7.90	312.50	75.30	234.63	80.65
57.97			233.99		590.34	
71.41	51.64	89.15	263.34	184.43	99.90	
		260.37	382.48	431.41	476.84	40.08
658.76	90.32	170.87	353.33	349.54	944.43	309.03
26.28			17.95		2,333.16	187.29
236.28	14.73	254.89		0.77	238.25	
1,760.36	246.82	549.92			53.25	67.24
927.00	410.00	533.00	910.00	561.00	2,241.56	
					2,814.98	
					1,786.00	424.00
10,923.62	2,623.99	7,484.62	16,978.53	4,888.15	39,308.39	4,979.97
	372.58		525.01	206.99	100.65	
469.55		509.23				169.42
224	65	123	405	229	637	226
54	14	46	101	14	146	17
4	2	7	10	1	19	3
282	81	176	516	244	802	246

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Concluded

Municipality.....	Warton	Winder- mere 118	Wingham	Woodville	GEORGIAN BAY SYSTEM SUMMARY
Population.....	1,760		2,149	425	
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	7,410.55	2,499.83	12,499.27	2,209.24	533,184.80
Commercial light service.....	7,898.07	1,111.55	8,356.95	1,159.90	330,363.46
Commercial power service.....	2,730.25	133.70	8,921.54	604.48	316,799.21
Municipal power.....	1,443.93		622.62		23,878.23
Street lighting.....	2,309.56	325.00	3,100.00	634.02	103,769.39
Merchandise.....			1,711.02		6,561.01
Miscellaneous.....	712.23		1,307.87	224.37	15,803.38
Total earnings.....	22,504.59	4,070.08	36,519.27	4,832.01	1,330,359.48
EXPENSES					
Power purchased.....	15,478.05	2,061.32	22,659.54	3,511.81	1,000,120.83
Substation operation.....			1,719.69		10,129.33
Substation maintenance.....					352.97
Distribution system, operation and maintenance.....	554.61	181.01	1,451.30	381.21	49,760.68
Line transformer maintenance.....					3,942.30
Meter maintenance.....	247.55	34.00	194.58		11,889.82
Consumers' premises expenses.....			77.41	1.84	6,905.28
Street lighting, operation and main- tenance.....	361.71	65.08	527.86	129.57	14,720.19
Promotion of business.....					3,287.10
Billing and collecting.....	630.73	160.63	692.67	287.72	36,693.43
General office, salaries and expenses..	601.52	66.01	1,996.35	128.79	38,539.80
Undistributed expenses.....	66.85		188.31		6,800.95
Truck operation and maintenance.....	172.92		279.03		4,711.32
Interest.....	1,460.92	480.69	1,716.30	75.64	19,720.88
Sinking fund and principal payments on debentures.....	1,591.53	550.17	1,495.85	210.58	45,099.86
Depreciation.....	959.00	394.00	3,929.00	281.00	95,072.85
Other reserves.....					794.87
Total operating costs and fixed charges.....	22,125.39	3,992.91	36,927.89	5,008.16	1,348,542.46
Net surplus.....	379.20	77.17			
Net loss.....			408.62	176.15	18,182.98
NUMBER OF CONSUMERS					
Domestic service.....	409	60	570	108	24,475
Commercial light service.....	114	15	143	28	5,197
Power service.....	16	1	25	2	722
Total.....	539	76	738	138	30,394



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1940

EASTERN ONTARIO  
SYSTEM

Alexandria	Apple Hill	Arnprior	Athens	Bath	Belleville	Bloomfield	Bowman- ville
1,951	P.V.	3,898	700	315	14,678	629	3,800
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
7,902.15	1,374.14	18,247.03	3,217.92	1,913.26	80,184.48	3,138.69	28,629.76
5,145.01	1,039.00	11,289.15	1,536.25	595.64	54,394.21	2,144.99	10,617.11
3,908.60	501.48	16,485.61	903.76		37,763.33	948.73	55,687.96
845.26		2,568.75			3,801.34		
1,950.00	478.00	3,474.90	1,204.00	420.00	10,787.38	704.00	3,874.80
		160.68			3,545.88		
489.88	5.16	224.40	132.50		1,907.79	34.54	2,308.49
20,240.90	3,397.78	52 450.52	6,994.43	2,928.90	192,384.41	6,970.95	101,118.12
9,797.10	1,832.81	27,462.85	4,507.35	1,660.23	148,909.40	4,593.29	74,187.79
					1,681.03		50.27
1,091.04	78.41	2,051.26	105.60	64.78	2,773.61	140.12	2,049.96
40.02		123.38			302.63		90.13
196.82	28.99	480.16	242.87		2,815.39	131.74	739.06
		489.93			845.36		1,263.29
188.12	45.95	381.74	52.15	55.15	1,720.52	99.54	584.94
		160.49			549.15	20.00	170.45
941.87		2,763.47			3,892.40		2,434.20
481.33	292.49	2,165.41	348.82	241.82	6,348.94	333.67	2,896.45
73.54		73.38			1,179.62		1,149.44
239.04							
196.18	66.08	1,829.35	447.95	361.61	71.53	252.99	338.29
3,291.21	457.02	2,560.68	723.56	312.90		607.19	5,000.00
1,726.00	217.00	1,178.00	599.00	244.00	9,101.00	599.00	2,832.00
18,262.27	3,018.75	41,720.10	7,027.30	2,940.49	180,190.58	6,777.54	93,786.27
1,978.63	379.03	10,730.42			12,193.83	193.41	7,331.85
			32.87	11.59			
379	57	790	184	52	3,358	171	1,175
110	23	161	48	13	657	42	158
17	2	20	1		101	7	25
506	82	971	233	65	4,116	220	1,358

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality.....	Brighton	Brockville	Cardinal	Carleton Place	Chester- ville
Population.....	1,556	9,961	1,576	4,275	1,061
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	9,655.46	55,166.92	7,665.63	20,176.21	4,980.95
Commercial light service.....	4,792.15	26,027.86	2,508.68	9,676.14	3,831.97
Commercial power service.....	3,339.44	37,928.88	341.04	27,464.07	2,114.30
Municipal power.....		4,952.24		1,503.91	
Street lighting.....	2,146.74	8,951.50	992.00	4,868.63	1,044.00
Merchandise.....	187.86			19.09	
Miscellaneous.....	126.83	5,317.79	135.00	1,558.31	428.23
Total earnings.....	20,248.48	138,345.19	11,642.35	65,266.36	12,399.45
EXPENSES					
Power purchased.....	10,324.98	103,746.54	7,951.99	45,147.43	8,736.85
Substation operation.....		5,100.00		83.30	
Substation maintenance.....		996.91			
Distribution system, operation and maintenance.....	1,860.64	2,135.30	543.34	1,705.95	845.64
Line transformer maintenance.....	44.69	135.02	13.50	8.68	
Meter maintenance.....	607.49	2,812.37	18.80	534.01	57.31
Consumers' premises expenses.....	132.82			823.26	239.84
Street lighting, operation and main- tenance.....	354.89	1,313.73	207.99	556.20	138.23
Promotion of business.....	209.18	88.78		170.28	89.64
Billing and collecting.....	584.45	2,312.72		1,738.23	501.87
General office, salaries and expenses..	1,258.83	5,028.13	633.66	3,496.64	545.19
Undistributed expenses.....	323.57	1,209.34		509.27	
Truck operation and maintenance...	271.37	643.19		380.09	
Interest.....	995.94		467.90	1,549.48	
Sinking fund and principal payments on debentures.....	1,446.61		703.75	3,623.27	
Depreciation.....	802.00	11,872.00	530.00	2,559.00	684.00
Other reserves.....					
Total operating costs and fixed charges.....	19,217.46	137,394.03	11,070.93	62,885.09	11,838.57
Net surplus.....	1,031.02	951.16	571.42	2,381.27	560.88
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	532	2,921	375	1,025	269
Commercial light service.....	94	418	61	191	76
Power service.....	10	73	2	19	3
Total.....	636	3,412	438	1,235	348

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1940

Cobden	Cobourg	Colborne	Deseronto	Finch	Hastings	Havelock	*Iroquois
639	5,268	942	1,300	347	772	1,156	1,068
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,267.01	36,393.08	5,693.04	5,792.81	2,216.47	3,914.81	5,199.77	3,958.00
2,680.35	21,474.38	3,188.66	2,167.84	1,749.17	2,310.62	2,979.88	2,918.92
386.15	23,773.33	775.46	1,157.06	312.76	284.01	2,359.16	346.80
.....	2,168.90	212.41	721.37	.....	.....	.....	988.08
765.00	5,934.63	1,516.00	1,369.80	468.00	1,308.50	1,545.00	838.00
.....	.....	332.43	.....	.....	.....	.....	.....
73.19	1,730.91	176.84	137.02	137.80	898.06	521.94	51.33
6,171.70	91,475.23	11,894.84	11,345.90	4,884.20	8,716.00	12,605.69	9,101.13
3,140.80	61,356.37	6,623.53	6,658.16	3,465.95	3,944.54	6,469.64	5,270.49
.....	.....	.....	.....	.....	.....	.....	498.85
61.79	2,526.15	1,098.46	816.00	153.15	544.60	1,262.82	445.70
.....	140.78	.....	.....	.....	.....	.....	9.44
73.22	1,058.76	111.77	91.87	62.40	65.10	68.45	29.75
.....	304.68	152.84	186.50	38.91	.....	.....	.....
137.27	668.77	209.46	443.14	52.92	119.74	200.42	270.14
.....	.....	.....	181.74	.....	.....	.....	.....
282.87	2,964.97	.....	502.13	.....	.....	.....	421.90
140.64	2,875.87	1,450.42	646.15	314.07	559.84	575.11	113.60
.....	868.05	180.43	104.30	.....	64.27	.....	.....
322.16	2,229.97	578.34	334.56	.....	.....	225.18	.....
.....	.....	585.48	56.03	227.38	839.17	198.55	.....
577.84	5,013.81	578.43	675.14	382.91	924.29	2,669.83	.....
149.00	4,543.00	406.00	507.00	346.00	648.00	1,079.00	82.50
.....	.....	.....	.....	.....	.....	.....	.....
4,885.59	84,551.18	11,975.16	11,202.72	5,043.69	7,709.55	12,749.00	7,142.37
1,286.11	6,924.05	.....	143.18	.....	1,006.45	.....	1,958.76
.....	.....	80.32	.....	159.49	.....	143.31	.....
123	1,363	267	316	98	227	295	256
54	250	76	63	34	58	62	89
1	50	5	6	1	4	3	5
178	1,663	348	385	133	289	360	350

\*Nine months' operation.



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality.....	Kemptville	Kingston	Lakefield	Lanark	Lancaster
Population.....	1,223	23,989	1,413	734	563
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	7,252.43	156,212.52	6,044.43	2,724.96	2,017.62
Commercial light service.....	4,939.60	106,686.90	4,149.83	1,557.99	1,554.99
Commercial power service.....	4,627.65	114,873.00	3,785.83		
Municipal power.....		8,491.77			
Street lighting.....	1,786.00	20,936.49	1,710.00	559.00	512.00
Merchandise.....					
Miscellaneous.....	1,000.00	2,739.46	320.95	140.04	15.43
Total earnings.....	19,605.68	409,940.14	16,011.04	4,981.99	4,100.04
EXPENSES					
Power purchased.....	11,349.78	257,670.42	10,499.57	3,213.49	2,357.42
Substation operation.....		6,115.96			
Substation maintenance.....		1,733.99			
Distribution system, operation and maintenance.....	1,416.33	17,724.05	645.99	115.43	122.30
Line transformer maintenance.....	27.46	891.07			
Meter maintenance.....	70.71	5,687.09	124.34	53.61	4.80
Consumers' premises expenses.....	100.21	1,982.10			
Street lighting, operation and maintenance.....	177.59	3,977.59	115.12	44.46	55.34
Promotion of business.....	285.81	210.00	20.00		
Billing and collecting.....	1,130.78	5,721.19	435.94		
General office, salaries and expenses..	427.17	12,964.30	595.32	427.63	433.50
Undistributed expenses.....	95.77	7,455.71	132.32		
Truck operation and maintenance....	264.38	3,272.50	223.17		
Interest.....	877.06	2,333.43	1,282.14		
Sinking fund and principal payments on debentures.....	956.76	2,751.50	1,283.22		
Depreciation.....	1,290.00	31,177.00	1,425.00	369.00	387.00
Other reserves.....		2,500.00			
Total operating costs and fixed charges.....	18,469.81	364,167.90	16,782.13	4,223.62	3,360.36
Net surplus.....	1,135.87	45,772.24		758.37	739.68
Net loss.....			771.09		
NUMBER OF CONSUMERS					
Domestic service.....	349	6,481	331	159	100
Commercial light service.....	78	981	70	40	32
Power service.....	5	173	6		
Total.....	432	7,635	407	199	132

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1940

Lindsay	Madoc	Marmora	Martintown	Maxville	Millbrook	Morrisburg	Napanee
7,203	1,054	997	P.V.	760	728	1,555	3,234
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
43,382.59	4,764.49	4,179.43	677.74	3,368.35	4,234.95	8,891.26	24,093.56
29,531.75	4,069.92	2,205.18	971.09	2,694.07	2,114.51	5,987.67	16,617.77
34,781.16	1,371.81	284.47			467.01	2,074.16	9,065.15
2,823.72						533.02	481.63
6,250.11	1,350.00	1,298.00	176.00	1,148.75	782.90	2,454.22	4,239.00
							633.39
4,459.55	104.41	23.83	49.67	64.35	33.54	211.90	
121,228.88	11,660.63	7,990.91	1,874.50	7,275.52	7,632.91	20,152.23	55,130.50
88,344.73	8,227.44	4,613.81	1,286.55	4,125.70	3,263.53	6,296.86	34,590.26
						2,245.88	
1,621.75	1,002.75	512.86	40.95	315.80	364.24	608.27	3,641.40
491.11					82.14	37.54	90.64
1,484.69	389.47			120.22	152.98	194.04	691.20
510.74				24.64	7.75		300.70
1,935.96	120.87	151.02	36.24	279.53	138.07	262.43	692.54
399.51							136.41
3,398.55					470.84		1,772.14
6,174.23	873.48	827.61	167.87	363.63	637.52	1,099.46	4,469.91
1,244.39	59.65				1.95	115.97	2,351.32
						99.16	204.66
3,539.13		150.36		69.80	296.86	1,810.88	42.17
6,724.26		1,120.14		1,269.07	415.84	4,542.18	
5,153.00	520.00	622.00	182.00	620.00	245.00	761.00	2,112.00
121,022.05	11,193.66	7,997.80	1,713.61	7,188.39	6,076.72	18,073.67	51,095.35
206.83	466.97		160.89	87.13	1,556.19	2,078.56	4,035.15
		6.89					
2,047	300	242	49	151	170	440	831
338	91	46	24	43	60	124	202
70	5	2			2	14	27
2,455	396	290	73	194	232	578	1,060

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality.....	Newcastle	Norwood	Omemees	Orono	Oshawa
Population.....	698	703	547	P.V.	24,938
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	5,138.66	4,766.62	3,096.97	4,462.45	188,281.50
Commercial light service.....	2,578.44	2,485.72	1,647.52	2,310.08	75,583.84
Commercial power service.....	2,032.10	502.39	3,425.65	48.54	264,387.73
Municipal power.....					8,801.62
Street lighting.....	593.44	1,596.00	1,061.28	713.37	12,142.82
Merchandise.....					
Miscellaneous.....	72.48	647.88	116.86	12.47	7,730.18
Total earnings.....	10,415.12	9,998.61	9,348.28	7,546.91	556,927.69
EXPENSES					
Power purchased.....	4,661.45	4,292.28	6,074.23	3,236.42	459,708.52
Substation operation.....					
Substation maintenance.....					208.22
Distribution system, operation and maintenance.....	280.67	484.10	557.19	358.02	7,128.77
Line transformer maintenance.....	12.05		40.06	15.00	802.73
Meter maintenance.....	62.25	107.07	168.04	59.58	3,594.74
Consumers' premises expenses.....		97.66			7,809.61
Street lighting, operation and maintenance.....	36.43	120.00	74.72	85.20	2,533.57
Promotion of business.....					487.24
Billing and collecting.....	914.80			611.23	10,099.56
General office, salaries and expenses..	25.20	532.11	264.32	253.20	9,329.30
Undistributed expenses.....	87.76		8.72	14.28	5,215.63
Truck operation and maintenance.....		225.14			
Interest.....	204.84	1,217.37		1,010.86	†10,389.43
Sinking fund and principal payments on debentures.....	1,159.48	1,543.01		*	
Depreciation.....	810.00	1,261.00	795.00	163.00	13,033.00
Other reserves.....					235.04
Total operating costs and fixed charges.....	8,254.93	9,879.74	7,982.28	5,806.79	530,575.36
Net surplus.....	2,160.19	118.87	1,366.00	1,740.12	26,352.33
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	209	235	162	179	6,451
Commercial light service.....	37	56	35	37	563
Power service.....	3	3	6	1	109
Total.....	249	294	203	217	7,123

\*Due to refinancing there is no reduction in Debenture Debt in 1940.

†Fixed charges below normal due to refinancing of debt.



## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1940

Ottawa	Perth	Peterborough	Picton	Port Hope	Prescott	Richmond
145,183	4,182	24,017	3,582	4,812	2,925	409
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
560,603.53	25,434.54	162,173.76	22,484.32	27,970.81	18,808.53	1,949.90
236,825.40	15,627.70	91,994.30	17,097.12	13,658.73	10,854.89	1,542.39
57,482.13	14,562.48	130,160.17	3,309.45	28,989.26	4,396.92	.....
20,367.47	1,123.05	6,303.43	1,660.13	1,309.81	1,217.05	.....
80,491.73	2,854.00	22,411.02	3,935.79	4,122.48	3,644.70	390.00
.....	1,845.89	.....	827.23	.....	.....	.....
4,467.57	2,801.36	1,510.27	1,537.39	1,381.23	71.47	9.30
960,237.83	64,249.02	414,552.95	50,851.43	77,432.32	38,993.56	3,891.59
469,916.78	40,617.94	256,739.58	38,445.72	64,153.45	28,404.17	2,684.83
30,319.24	.....	6,089.58	.....	.....	1,355.55	.....
1,541.27	402.73	1,481.94	.....	.....	.....	.....
22,049.27	1,465.68	6,192.29	1,170.51	1,046.65	3,808.46	150.81
2,154.80	95.96	477.57	146.30	282.38	42.60	.....
11,706.16	819.83	6,405.52	106.77	816.62	363.56	.....
3,662.39	272.91	14,227.98	14.41	1,522.43	514.41	.....
36,017.38	321.98	4,749.64	314.01	1,021.05	778.74	46.74
9,039.67	148.33	1,435.65	87.38	.....	.....	.....
44,632.89	1,794.76	9,730.06	1,277.12	1,993.87	1,368.30	.....
26,086.78	3,496.32	7,190.00	1,910.98	3,702.61	2,300.01	187.30
15,036.22	658.62	4,707.49	1,252.02	936.67	774.76	.....
2,790.02	352.94	2,040.36	382.33	286.42	.....	.....
19,870.11	3,113.54	27,884.70	91.07	.....	.....	231.27
17,296.46	2,144.59	12,584.45	.....	.....	.....	335.43
97,936.00	4,362.00	20,749.00	2,424.00	2,915.00	3,425.00	267.00
55,000.00	.....	800.00	.....	.....	.....	.....
865,055.44	60,068.13	383,485.81	47,622.62	78,677.15	43,135.56	3,903.38
95,182.39	4,180.89	31,067.14	3,228.81	.....	.....	.....
.....	.....	.....	.....	1,244.83	4,142.00	11.79
14,399	1,033	5,821	1,042	1,360	703	74
1,442	197	924	203	215	178	25
197	27	160	30	38	21	.....
16,038	1,257	6,905	1,275	1,613	902	99

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Concluded

Municipality.....	Russell	Smiths Falls	Stirling	Trenton	Tweed
Population.....	P.V.	7,672	981	7,222	1,246
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	2,782.71	44,673.09	5,292.42	36,386.52	6,142.26
Commercial light service.....	1,603.38	16,900.09	3,815.75	23,876.26	5,185.74
Commercial power service.....		19,361.93	1,299.19	65,709.24	2,871.92
Municipal power.....		444.88	269.63	2,121.61	312.00
Street lighting.....	800.00	7,489.92	1,637.04	7,559.21	1,774.08
Merchandise.....			86.43	74.52	22.97
Miscellaneous.....	95.00	2,872.94	303.16	1,555.64	196.73
Total earnings.....	5,281.09	91,742.85	12,703.62	137,283.00	16,505.70
EXPENSES					
Power purchased.....	3,184.83	58,519.29	7,504.17	94,769.82	10,052.41
Substation operation.....		458.56	205.75		
Substation maintenance.....		410.42		32.76	
Distribution system, operation and maintenance.....	258.55	4,160.84	639.35	2,124.91	154.69
Line transformer maintenance.....		200.09		284.79	10.50
Meter maintenance.....	23.85	1,198.22	115.21	2,424.72	235.90
Consumers' premises expenses.....	23.80	2,879.10		578.94	
Street lighting, operation and main- tenance.....	143.38	420.23	311.94	931.31	286.23
Promotion of business.....		708.29		6.36	
Billing and collecting.....		2,871.47	437.08	3,435.97	847.44
General office, salaries and expenses..	375.73	3,084.50	1,131.30	5,736.96	305.92
Undistributed expenses.....		1,280.28	146.19	1,507.41	86.25
Truck operation and maintenance.....		832.34	204.29	518.24	.75
Interest.....	229.91	281.71		1,236.09	400.57
Sinking fund and principal payments on debentures.....	606.88	2,879.45		7,690.84	1,596.86
Depreciation.....	358.00	7,380.00	935.00	5,606.00	631.00
Other reserves.....					156.00
Total operating costs and fixed charges.....	5,204.93	87,564.79	11,630.28	126,885.12	14,764.52
Net surplus.....	76.16	4,178.06	1,073.34	10,397.88	1,741.18
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	115	1,905	281	1,590	306
Commercial light service.....	32	295	78	266	86
Power service.....		41	12	52	14
Total.....	147	2,241	371	1,908	406

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1940

Warkworth	Wellington	Westport	Whitby	Williamsburg	Winchester	EASTERN ONTARIO SYSTEM SUMMARY
P.V.	934	710	3,863	P.V.	1,059	
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,187.08	5,958.55	3,599.06	25,520.51	1,904.26	6,361.89	1,741,511.80
1,330.20	2,633.49	3,094.80	13,155.52	2,970.23	4,351.34	907,272.18
.....	1,038.89	.....	13,680.43	137.61	1,674.92	1,003,183.12
.....	.....	.....	1,335.34	.....	.....	75,358.42
615.00	1,102.98	1,372.19	4,896.14	286.92	944.00	260,277.46
.....	.....	.....	.....	.....	28.15	7,764.52
168.78	215.04	184.07	3,290.62	499.47	370.12	55,669.17
4,301.06	10,948.95	8,250.12	61,878.56	5,798.49	13,730.42	4,051,036.67
.....	.....	.....	.....	.....	.....	.....
2,725.26	6,282.13	4,789.40	37,007.96	3,744.50	9,535.31	2,598,678.10
.....	.....	.....	179.07	.....	.....	54,332.77
.....	.....	.....	.....	.....	.....	6,858.51
79.97	810.33	284.62	5,190.01	54.90	550.26	109,487.29
.....	.....	.....	147.40	.....	.....	7,240.46
32.08	286.67	103.51	600.04	11.45	186.87	48,628.14
.....	8.45	249.44	893.93	6.58	230.55	40,396.16
74.56	99.25	33.06	945.13	59.50	65.61	65,257.43
.....	.....	.....	43.66	.....	.....	14,648.02
.....	.....	.....	1,802.69	.....	635.72	114,723.48
215.86	606.70	962.60	1,918.21	707.74	323.67	130,856.03
.....	64.88	.....	326.36	.....	.....	49,295.83
.....	.....	62.04	34.52	.....	.....	14,465.03
465.69	406.52	554.58	905.22	.....	195.58	90,126.93
333.45	994.57	660.20	2,827.89	.....	578.12	101,843.09
279.00	922.00	280.00	3,834.00	288.00	775.00	254,994.50
.....	.....	.....	.....	.....	.....	58,691.04
4,205.87	10,481.50	7,979.45	56,656.09	4,872.67	13,076.69	3,760,522.81
95.19	467.45	270.67	5,222.47	925.82	653.73	290,513.86
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
134	329	129	925	96	292	63,653
45	67	49	157	47	87	9,988
.....	5	.....	23	1	3	1,405
179	401	178	1,105	144	382	75,046



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

THUNDER BAY  
SYSTEM

Municipality.....	Fort William	Nipigon Twp.	Port Arthur	THUNDER BAY SYSTEM SUMMARY
Population.....	24,843		21,284	
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	208,634.12	3,670.25	121,418.16	333,722.53
Commercial light service.....	77,282.20	3,696.44	73,212.69	154,191.33
Commercial power service.....	45,988.42	200.28	687,491.37	733,680.07
Municipal power.....	25,770.73	475.04	34,166.42	60,412.19
Street lighting.....	19,549.20	676.00	19,532.06	39,757.26
Merchandise.....				
Miscellaneous.....	2,011.10	226.96	12,532.18	14,770.24
Total earnings.....	379,235.77	8,944.97	948,352.88	1,336,533.62
EXPENSES				
Power purchased.....	264,187.90	4,099.39	837,496.39	1,105,783.68
Substation operation.....	7,406.32		37,496.94	44,903.26
Substation maintenance.....	166.45		2,107.86	2,274.31
Distribution system, operation and maintenance.....	6,789.93	338.01	18,862.65	25,990.59
Line transformer maintenance.....	70.03	48.21	919.53	1,037.77
Meter maintenance.....	8,380.23	32.41	6,557.76	14,970.40
Consumers' premises expenses.....	600.77			600.77
Street lighting, operation and main- tenance.....	6,637.45	153.33	4,760.45	11,551.23
Promotion of business.....	146.02	45.00	1,827.00	2,018.02
Billing and collecting.....	14,907.25		12,583.90	27,491.15
General office, salaries and expenses..	8,224.97	914.60	13,533.93	22,673.50
Undistributed expenses.....	4,637.05	74.52	8,215.34	12,926.91
Truck operation and maintenance...	2,157.76		2,110.20	4,267.96
Interest.....	16,633.84	220.36	2,036.90	18,891.10
Sinking fund and principal payments on debentures.....	7,495.12	651.49	1,126.69	9,273.30
Depreciation.....	17,301.00	673.00	30,086.93	48,060.93
Other reserves.....	1,719.40		3,500.00	5,219.40
Total operating costs and fixed charges.....	367,461.49	7,250.32	983,222.47	1,357,934.28
Net surplus.....	11,774.28	1,694.65		
Net loss.....			34,869.59	21,400.66
NUMBER OF CONSUMERS				
Domestic service.....	6,200	204	5,185	11,589
Commercial light service.....	970	57	825	1,852
Power service.....	124	2	106	232
Total.....	7,294	263	6,116	13,673

“B”—Concluded

Hydro Municipalities for Year Ended December 31, 1940

NORTHERN ONTARIO  
DISTRICTS

Capreol	*North Bay	Sioux Lookout	Sudbury	NORTHERN ONTARIO DISTRICTS SUMMARY	ALL SYSTEMS GRAND SUMMARY
1,700	15,797	1,933	29,186		
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
9,167.45	51,647.45	16,142.24	230,356.19	307,313.33	13,705,710.79
3,930.50	32,347.63	13,412.08	156,384.05	206,074.26	7,642,679.90
.....	19,024.58	656.38	42,284.21	61,965.17	12,458,439.08
728.93	3,506.07	.....	10,272.76	14,507.76	1,741,235.23
1,260.00	6,033.69	1,921.50	23,872.76	33,087.95	1,842,443.63
.....	.....	.....	.....	.....	56,818.83
.....	1,941.76	.....	5,022.67	6,964.43	577,959.98
15,086.88	114,501.18	32,132.20	468,192.64	629,912.90	38,025,287.44
6,530.37	57,607.00	25,485.69	240,864.00	330,487.06	23,756,863.14
.....	197.87	.....	7,262.17	7,460.04	544,234.10
.....	.....	.....	.....	.....	322,375.73
1,838.31	2,534.29	577.42	18,029.96	22,979.98	930,055.53
16.40	113.19	60.00	1,469.68	1,659.27	101,617.16
75.63	2,531.77	192.58	5,917.66	8,717.64	372,562.74
.....	215.24	160.00	1,080.09	1,455.33	568,135.41
651.09	1,134.52	131.90	6,810.38	8,727.89	366,911.70
.....	2,992.16	.....	.....	2,992.16	293,022.17
1,105.49	3,769.00	2,044.56	18,751.81	25,670.86	1,020,648.93
1,050.17	7,600.29	311.51	12,842.79	21,804.76	960,065.70
64.55	677.53	55.18	4,923.74	5,721.00	555,414.26
.....	.....	183.21	3,248.48	3,431.69	79,848.64
59.22	5,694.21	.....	6,738.84	12,492.27	1,464,381.29
987.00	.....	.....	8,812.42	9,799.42	2,389,723.60
791.00	8,686.00	393.00	16,838.00	26,708.00	2,550,534.40
.....	266.31	100.00	15,935.94	16,302.25	93,592.70
13,169.23	94,019.38	29,695.05	369,525.96	506,409.62	36,369,987.20
1,917.65	20,481.80	2,437.15	98,666.68	123,503.28	1,655,300.24
.....	.....	.....	.....	.....	.....
328	3,236	509	7,663	11,736	525,995
51	675	115	1,105	1,946	78,487
1	86	2	137	226	13,392
380	3,997	626	8,905	13,908	617,874

\* Seven months' operation.

## STATEMENT "C"

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				\$ c.	\$ c.	\$ c.
Acton.....	1,903	{ 135	80 c.p.	<i>s</i> 9.00	1,980.06	1.04
		{ 5	80 c.p.	<i>s</i> 12.00		
		{ 2	250 c.p.	<i>s</i> 18.00		
		{ 8	60 watt	<i>m</i> 4.00		
		{ 62	100 watt	<i>m</i> 9.00		
		{ 1	150 watt	<i>m</i> 12.00		
		{ 3	200 watt	<i>m</i> 18.50		
		{ 4	300 watt	<i>m</i> 20.00		
Agincourt.....		62	100 watt	<i>m</i> 12.00	744.00	**
Ailsa Craig.....	477	{ 66	100 watt	<i>m</i> 10.00	696.00	1.46
		{ 2	200 watt	<i>m</i> 18.00		
Alexandria.....	1,951	{ 138	100 watt	<i>m</i> 14.00	1,950.00	1.00
		{ 1	200 watt	<i>m</i> 24.00		
Alliston.....	1,437	{ 102	150 c.p.	<i>s</i> 17.50	1,978.94	1.38
		{ 12	100 watt	<i>m</i> 17.50		
Alvinston.....	663	{ 82	100 watt	<i>m</i> 17.00	1,683.50	2.54
		{ 5	300 watt	<i>m</i> 42.50		
		{ 3	500 watt	<i>m</i> 67.00		
Amherstburg....	2,755	{ 72	100 watt	<i>m</i> 15.00	2,315.85	††
		{ 41	200 watt	<i>m</i> 20.00		
		{ 16	300 watt	<i>m</i> 26.00		
Ancaster Twp....		{ 32	100 watt	<i>m</i> 11.50	1,054.00	**
		{ 49	150 watt	<i>m</i> 14.00		
Apple Hill.....		33	100 watt	<i>m</i> 14.50	478.00	**
Arkona.....	408	{ 48	100 watt	<i>m</i> 20.00	1,072.00	2.63
		{ 4	150 watt	<i>m</i> 28.00		
Arnprior.....	3,898	{ 179	100 watt	<i>m</i> 18.00	3,474.90	0.89
		{ 10	300 watt	<i>m</i> 27.00		
Arthur.....	1,038	90	100 watt	<i>m</i> 15.50	1,461.20	1.41
Athens.....	700	{ 40	100 watt	<i>m</i> 14.00	1,204.00	1.72
		{ 23	200 watt	<i>m</i> 28.00		
Aylmer.....	1,979	{ 195	100 watt	<i>m</i> 10.00	2,590.00	1.31
		{ 24	300 watt	<i>m</i> 25.00		
		{ 1	Traffic signal	<i>m</i> 40.00		

NOTE: The "Cost to municipality in 1940" represents the charges billed to the municipality by the utility for street lighting service in the calendar year. This total charge differs in some cases from the total computed for the installation at the rates shown, for the following reasons:—FIRST: Certain equipment may have been in service for less than twelve months. Second: More equipment than shown for December 31 may have been in service earlier in the year.

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.



## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing  
Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
Ayr.....	768	{ 86 15	100 c.p. <i>s</i> 300 c.p. <i>s</i>	\$ c. 10.00 } 22.00 }	\$ c. 1,060.20	\$ c. 1.38
Baden.....		79	100 watt <i>m</i>	9.00	711.00	**
Barrie.....	8,446	{ 483 14 13 48 3 13 1	150 c.p. <i>s</i> 100 watt <i>m</i> 200 watt <i>m</i> 200 watt <i>m</i> 200 watt (Dock 6 mos.) <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i>	9.00 } 17.00 } 15.00 } 22.00 } 12.00 } 25.00 } 30.00 }	6,198.50	0.73
Bath.....	315	21	100 watt <i>m</i>	20.00	420.00	1.33
Beachville.....		47	100 watt <i>m</i>	11.00	517.00	**
Beamsville.....	1,186	{ 52 5 93 53	80 c.p. <i>s</i> 60 watt <i>m</i> 100 watt <i>m</i> 200 watt <i>m</i>	8.00 } 8.00 } 12.00 } 18.00 }	1,941.07	1.64
Beaverton.....	915	{ 108 11 6	100 watt <i>m</i> 100 watt (6 mos.) <i>m</i> 500 watt <i>m</i>	10.00 } 7.00 } 25.00 }	1,307.00	1.43
Beeton.....	568	{ 65 14	150 c.p. <i>s</i> 100 watt <i>m</i>	16.00 } 16.00 }	1,264.00	2.23
Belle River.....	852	{ 81	100 watt <i>m</i> Decorative lights <i>m</i>	12.00 } 50c. per 100 watts per month }	1,018.00	1.19
Belleville.....	14,678	{ 572 22 1 52 16 3 24 218	100 c.p. <i>s</i> 250 c.p. <i>s</i> 400 c.p. <i>s</i> 1,000 c.p. <i>s</i> 200 watt <i>m</i> 200 watt <i>m</i> 250 watt <i>m</i> 300 watt <i>m</i>	7.00-9.50 } 15.00 } 15.00 } 30.00 } 12.50 } 15.00 } 14.50 } 20.00 }	10,787.38	0.73
Blenheim.....	1,844	{ 166 5 12 1 1	150 c.p. <i>s</i> 400 c.p. <i>s</i> 500 c.p. <i>s</i> Traffic light <i>m</i> 500 watt <i>m</i>	12.00 } 28.00 } 37.00 } 16.00 } 33.00 }	2,625.00	1.42
Bloomfield.....	629	64	100 watt <i>m</i>	11.00	704.00	1.12
Blyth.....	656	{ 90 20	100 watt <i>m</i> 200 watt <i>m</i>	13.00 } 20.50 }	1,580.00	2.41
Bolton.....	600	{ 48 23	100 watt <i>m</i> 200 watt <i>m</i>	12.00 } 21.50 }	1,070.52	1.78

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
					\$ c.	\$ c.	\$ c.
Bothwell.....	646	{ 70 21	100 watt 300 watt	<i>m</i> <i>m</i>	{ 10.00 25.00 }	1,225.02	1.90
Bowmanville....	3,800	{ 184 19 28	100 c.p. 300 watt 500 watt	<i>s</i> <i>m</i> <i>m</i>	{ 10.00 30.00 53.00 }	3,874.80	1.02
Bradford.....	1,004	{ 60 7	150 c.p. 100 watt	<i>s</i> <i>m</i>	{ 16.00 16.00 }	1,072.00	1.07
Brampton.....	5,695	{ 587 2 1 46 13	100 watt 300 watt 500 watt 500 watt Fire alarm lights	<i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	{ 8.00 28.00 35.00 37.50 6.50 }	6,597.83	1.16
Brantford.....	31,309	{ 149 3,469 8 2 18 4	1500 c.p. 100 watt 250 watt 300 watt 750 watt 750 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	{ 45.00 7.50 10.00 16.00 37.00 46.00 }	33,668.32	††
Brantford Twp..	395		100 watt	<i>m</i>	11.00	4,296.08	**
Brechin.....†	34		100 watt	<i>m</i>	14.00	476.00	**
Bridgeport.....		{ 60 12	100 watt 100 watt (bridge)	<i>m</i> <i>m</i>	{ 13.00 8.00 }	876.00	**
Brigden.....		{ 46 21	60 watt 100 watt	<i>m</i> <i>m</i>	{ 11.00 14.00 }	800.00	**
Brighton.....	1,556	{ 127 10	100 c.p. 300 watt	<i>s</i> <i>m</i>	{ 15.00 25.00 }	2,146.74	1.38
Brockville.....	9,961	{ 656 10 35 51 13	100 c.p. 100 watt 3 Lt. stands 5 Lt. stands 300 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	{ 10.00 19.00 21.00 24.00 20.00 }	8,951.50	0.90
Brussels.....	814	{ 81 18	100 watt 200 watt	<i>m</i> <i>m</i>	{ 12.00 18.00 }	1,296.00	1.59
Burford.....		67	100 watt	<i>m</i>	10.00	670.08	**
Burgessville.....		24	100 watt	<i>m</i>	13.00	312.00	**
Caledonia.....	1,425	{ 149 20 9 2 10 1	100 watt 100 watt (bridge) 100 watt (twp.) 200 watt 300 watt 500 watt	<i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	{ 9.00 9.50 13.00 14.00 22.50 32.00 }	1,916.46	1.34

†Includes Mara and Thorah townships.

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
Campbellville.....		20	100 watt <i>m</i>	\$ c. 20.00	\$ c. 400.00	\$ c. **
Cannington.....	705	{ 65 1 3 3	{ 100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i>	{ 15.00 18.50 22.00 32.00	1,155.48	1.64
Capreol.....	1,700	90	100 watt <i>m</i>	14.00	1,260.00	0.75
Cardinal.....	1,576	{ 52 12	{ 100 watt <i>m</i> 200 watt <i>m</i>	{ 15.00 21.00	992.00	0.63
Carleton Place..	4,275	{ 86 102 69	{ 60 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i>	{ 13.00 20.00 25.00	4,868.63	1.14
Cayuga.....	658	93	100 watt <i>m</i>	16.00	1,466.74	2.23
Chatham.....	16,910	{ 746 19 49 37 75 139	{ 150 c.p. <i>s</i> 250 c.p. <i>s</i> 600 c.p. <i>s</i> 150 c.p. orn. <i>s</i> 600 c.p. orn. <i>s</i> 1000 c.p. orn. <i>s</i>	{ 13.00 16.00 31.00 12.00 30.00 38.00	19,648.75	††
Chatsworth.....	321	41	100 watt <i>m</i>	13.00	533.00	1.66
Chesley.....	1,743	126	150 c.p. <i>s</i>	11.00	1,378.64	0.79
Chesterville.....	1,061	87	100 watt <i>m</i>	12.00	1,044.00	0.98
Chippawa.....	1,172	{ 87 28	{ 100 watt <i>m</i> 200 watt <i>m</i>	{ 13.00 25.00	1,820.88	1.55
Clifford.....	456	{ 64 10	{ 100 watt <i>m</i> 200 watt <i>m</i>	{ 13.00 20.00	954.00	2.09
Clinton.....	1,879	{ 150 8 29 1	{ 150 c.p. <i>s</i> 100 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i>	{ 11.00 11.00 31.00 55.00	2,736.04	1.46
Cobden.....	639	{ 38 12	{ 100 watt <i>m</i> 150 watt <i>m</i>	{ 13.50 21.00	765.00	1.20
Cobourg.....	5,268	{ 175 236 1 30	{ 80 c.p. <i>s</i> 100 watt <i>m</i> 250 watt <i>m</i> 500 watt <i>m</i>	{ 11.00 11.00 23.00 47.50	5,934.63	1.13
Colborne.....	942	{ 121 6	{ 60 c.p. <i>s</i> 100 watt <i>m</i>	{ 12.00 12.00	1,516.00	1.61
Coldwater.....	606	{ 59 19	{ 100 watt <i>m</i> 200 watt <i>m</i>	{ 11.00 17.00	873.00	1.44
Collingwood....	5,342	424	150 c.p. <i>s</i>	9.00	3,816.00	0.71

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.



## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing  
Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				\$ c.	\$ c.	\$ c.
Comber.....		{ 51 7	100 watt <i>m</i> 200 watt <i>m</i>	12.00 18.00	721.00	**
Cookstown.....		57	150 c.p. <i>s</i>	15.00	855.00	**
Cottam.....		32	100 watt <i>m</i>	15.00	480.00	**
Courtright.....	344	43	100 watt <i>m</i>	15.00	645.00	1.88
Creemore.....	638	63	100 watt <i>m</i>	12.00	754.00	1.18
Dashwood.....		44	100 watt <i>m</i>	11.00	474.82	**
Delaware.....		23	100 watt <i>m</i>	12.00	276.00	**
Delhi.....	2,544	{ 174 1 11 1	100 watt <i>m</i> 200 watt <i>m</i> 200 watt <i>m</i> 150 watt <i>m</i> (caution light)	12.00 17.50 25.00 17.50	2,265.12	0.89
Deseronto.....	1,300	137	100 c.p. <i>s</i>	10.00	1,369.80	1.05
Dorchester.....		74	100 watt <i>m</i>	10.00	735.92	**
Drayton.....	528	80	100 watt <i>m</i>	12.00	960.00	1.82
Dresden.....	1,572	{ 119 8 12 15 12	100 c.p. <i>s</i> 400 c.p. <i>s</i> 400 c.p. <i>s</i> 50 watt (arch) <i>m</i> 100 watt (bridge) <i>m</i>	13.00 21.50 23.00 4.56 12.00	2,169.47	1.38
Drumbo.....		41	100 watt <i>m</i>	13.00	533.00	**
Dublin.....		50	100 watt <i>m</i>	11.00	550.00	**
Dundalk.....	703	82	100 watt <i>m</i>	15.00	1,230.00	1.75
Dundas.....	5,012	{ 289 20 12 6 54 5	100 watt <i>m</i> 100 watt <i>m</i> (Memorial Square) 200 watt <i>m</i> 200 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i>	12.00 Free 16.00 26.00 32.00 24.00	5,631.00	††
Dunnville.....	3,870	{ 148 27 125 1	150 c.p. <i>s</i> 600 c.p. <i>s</i> 100 watt <i>m</i> 150 watt <i>m</i>	10.50 31.50 10.00 12.00	3,629.78	0.94
Durham.....	1,854	{ 106 6	150 c.p. <i>s</i> 400 c.p. <i>s</i>	14.00 22.00	1,640.00	0.88
Dutton.....	843	115	100 watt <i>m</i>	9.00	1,035.69	1.23

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing  
Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				\$ c.	\$ c.	\$ c.
East York Twp. ....		{ 1 1,177 5 2 248 15	{ 60 watt 100 watt 200 watt 250 watt 300 watt 500 watt	{ <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> 7.80 13.00 19.50 22.75 26.00 29.00	21,755.79	**
Elmira.....	2,069	{ 191 8 1 2 4	{ 100 watt 200 watt 500 watt 200 watt 400 watt	{ <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> 9.00 12.00 28.00 23.00 36.50	2,035.00	0.99
Elmvale.....		60	100 watt	<i>m</i> 12.00	720.00	**
Elmwood.....		24	150 watt	<i>m</i> 16.00	415.93	**
Elora.....	1,187	{ 82 28	{ 100 watt 200 watt	{ <i>m</i> <i>m</i> 11.00 16.00	1,390.68	1.17
Embro.....	435	53	100 watt	<i>m</i> 12.00	636.00	1.46
Erieau.....	295	28	100 watt	<i>m</i> 18.00	498.00	1.69
Essex.....	1,854	{ 135 16 5 51 1 6 10	{ 60 watt 100 watt 200 watt 300 watt orn. 500 watt orn. Empty sockets Empty sockets orn. Decorative lights	{ <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> 7.50 10.00 14.00 18.00 28.00 4.50 1.50 75c. per 100 watt per month	2,279.45	††
Etobicoke Twp..		{ 2 1,038 22 8 2 9	{ 25 watt 100 watt 100 watt 200 watt 250 watt 300 watt	{ <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> 12.50 per 100 watt 12.50 17.00 14.50 16.00 29.00	13,875.54	**
Exeter.....	1,654	{ 176 32 3	{ 100 watt 300 watt 100 watt (Park)	{ <i>m</i> <i>m</i> <i>m</i> 9.50 33.00 8.50	2,752.67	1.66
Fergus.....	2,732	{ 145 20 22 4	{ 100 watt 150 watt 300 watt orn. Traffic lights	{ <i>m</i> <i>m</i> <i>m</i> <i>m</i> 11.00 14.50 27.50 18.00	2,666.24	0.98
Finch.....	347	39	100 watt	<i>m</i> 12.00	468.00	1.35
Flesherton.....	457	{ 56 1	{ 100 watt 300 watt	{ <i>m</i> <i>m</i> 11.00 26.00	641.75	1.40

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing  
Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
					\$ c.	\$ c.	\$ c.
Fonthill.....	860	{ 72 14	100 watt 300 watt	<i>m</i> <i>m</i>	14.00 25.00	1,446.67	1.66
Forest.....	1,520	{ 109 149	60 watt 100 watt	<i>m</i> <i>m</i>	7.00 11.00	2,439.00	1.60
			(Station platform)	<i>m</i>	54.00		
Forest Hill.....	11,757	{ 539 3 28 5	100 watt 300 watt 300 watt 400 watt	<i>m</i> <i>m</i> <i>m</i> <i>m</i>	12.00 27.00 38.00 61.00	7,865.98	0.67
Fort William....	24,843	{ 381 58 78 239 26 188 114	100 c.p. 400 c.p. 600 c.p. 1000 c.p. 25 watt 100 watt 300 watt	<i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i>	8.00 18.00 28.00 38.00 2.70 8.00 23.00	19,549.20	0.79
Galt.....	14,286	{ 989 294 100 22 18 130 4 80 12	100 c.p. 100 watt 100 watt 100 watt 150 watt 150 watt 300 watt 300 watt 300 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	9.00 6.50 8.00 16.00 8.50 9.00 16.50 17.00 26.00	16,028.05	1.12
Georgetown†....	2,427	{ 165 1 5 16	100 watt 300 watt 300 watt 500 watt	<i>m</i> <i>m</i> <i>m</i> <i>m</i>	11.00 19.00 30.00 38.50	2,887.51	.....
Glencoe.....	726	{ 115 19	100 watt 200 watt	<i>m</i> <i>m</i>	14.00 20.00	1,989.96	2.74
Goderich.....	4,484	{ 327 8 4 7 8 16	100 c.p. 100 watt 250 watt 400 watt 500 watt 600 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	9.00 15.00 18.00 35.00 37.00 52.00	4,494.50	1.00
Grand Valley...	629	{ 42 13	100 watt 300 watt	<i>m</i> <i>m</i>	12.00 32.00	920.00	1.46
Granton.....		37	100 watt	<i>m</i>	10.00	371.31	**
Gravenhurst....	2,193	{ 134 4 20 12 16	100 c.p. 50 watt 100 watt 100 watt (6 mos.) 300 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	10.00 7.50 10.00 6.00 30.00	2,092.98	0.95

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.  
†Includes Glen Williams.



## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				\$ c.	\$ c.	\$ c.
Guelph.....	21,518	16	50 watt	<i>m</i> 4.00	19,227.06	0.89
		1,393	100 watt	<i>m</i> 10.00		
		191	200 watt	<i>m</i> 12.50		
		43	300 watt	<i>m</i> 18.75		
		12	500 watt	<i>m</i> 25.00		
		49	500 watt	<i>m</i> 34.00		
		4	1000 watt	<i>m</i> 46.50		
Hagersville.....	1,369	115	100 watt	<i>m</i> 14.00	2,090.00	1.53
		20	300 watt	<i>m</i> 22.00		
		2	1000 watt	<i>m</i> 60.00		
Hamilton.....	154,690	6	40 watt	<i>m</i> 4.50	124,195.48	0.80
		102	50 watt	<i>m</i> 6.00-7.00		
		12	60 watt	<i>m</i> 8.00		
		8,313	100 watt	<i>m</i> 7.50-11.00		
		1,370	200 watt	<i>m</i> 11.00-13.00		
		114	300 watt	<i>m</i> 18.00-34.00		
		1,090	500 watt	<i>m</i> 32.00-37.00		
		65	750 watt	<i>m</i> 55.00		
		2	1000 watt	<i>m</i> 70.00		
		10	500 watt (stands)	<i>m</i> 40.00		
			840 watt (special)	<i>m</i> 72.00		
Hanover.....	3,235		1280 watt (special)	<i>m</i> 131.00	2,449.33	0.76
		3	Danger signals	<i>m</i> 28.00		
		94	150 c.p.	<i>s</i> 17.00		
		16	250 c.p.	<i>s</i> 22.00		
		4	100 watt	<i>m</i> 17.00		
Harriston.....	1,326	13	200 watt	<i>m</i> 22.00	1,606.50	1.21
		79	150 c.p.	<i>s</i> 12.00		
		4	100 watt	<i>m</i> 12.00		
		13	150 watt	<i>m</i> 13.50		
Harrow.....	1,055	29	200 watt	<i>m</i> 15.00	1,438.75	1.36
		3	100 watt	<i>m</i> 12.00		
Hastings.....	772	86	200 watt	<i>m</i> 16.50	1,308.50	1.69
		65	100 watt	<i>m</i> 16.00		
		8	200 watt	<i>m</i> 20.00		
			Decorative lights	<i>m</i> 108.50		
Havelock.....	1,156	64	100 c.p.	<i>s</i> 15.00	1,545.00	1.34
		24	250 c.p.	<i>s</i> 24.00		
Hensall.....	696	84	100 watt	<i>m</i> 12.00	1,008.00	1.45
Hespeler.....	2,895	92	150 c.p.	<i>s</i> 12.00	3,264.33	1.13
		19	250 c.p.	<i>s</i> 16.00		
		15	400 c.p. (stands)	<i>s</i> 30.00		
		51	150 watt	<i>m</i> 11.00		
		11	250 watt	<i>m</i> 20.00		
		10	300 watt	<i>m</i> 21.50		
		6	300 watt (stands)	<i>m</i> 28.00		
		7	300 watt (Park)	<i>m</i> 35.00		

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
					\$ c.	\$ c.	\$ c.
Highgate.....	324	{ 40 6 1	100 watt 200 watt 300 watt	<i>m</i> <i>m</i> <i>m</i>	11.00 17.00 25.00	567.00	1.75
Holstein.....		15	100 watt	<i>m</i>	23.00	345.00	**
Humberstone...	2,784	{ 109 16	100 watt 200 watt	<i>m</i> <i>m</i>	12.50 17.50	1,642.56	0.59
Huntsville.....	2,764	{ 4 52 10 68 34	100 c.p. 150 c.p. 250 c.p. 75 watt 500 watt	<i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i>	12.00 16.00 20.00 10.00 30.00	2,780.00	1.01
Ingersoll.....	5,302	{ 13 336 2 2 26 12	100 c.p. (6 mos.) 100 c.p. 600 c.p. 1000 c.p. (church) 1000 c.p. 300 watt	<i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i>	5.50 10.00 28.00 25.00 35.00 30.00	4,841.52	††
Jarvis.....	536	78	100 watt	<i>m</i>	11.00	858.00	1.60
Kemptville.....	1,223	{ 78 17 1	100 watt 150 watt 250 watt	<i>m</i> <i>m</i> <i>m</i>	18.00 21.00 25.00	1,786.00	1.46
Kincardine.....	2,470	{ 165 30 40 1	100 c.p. 100 watt 200 watt 1000 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i>	18.00 13.00 23.00 80.00	4,346.52	1.76
Kingston.....	23,989	{ 105 269 258 1	100 c.p. 600 c.p. 600 c.p. orn. 250 c.p.	<i>s</i> <i>s</i> <i>s</i> <i>s</i>	12.00 35.00 46.00 25.00	20,936.49	0.87
Kingsville.....	2,360	{ 112 25 127	150 c.p. 250 c.p. 100 watt	<i>s</i> <i>s</i> <i>m</i>	10.50 15.00 10.50	2,880.96	††
Kirkfield.....		24	100 watt	<i>m</i>	20.00	480.00	**
Kitchener.....	33,080	{ 47 2,079 167 20 227 467 58 109	16 c.p. 80 c.p. 250 c.p. 1000 c.p. 100 watt 200 watt 300 watt 500 watt	<i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	7.00 8.00 13.00 25.00 9.00 14.00 17.50 25.00	31,836.14	††
Lakefield.....	1,413	114	100 watt	<i>m</i>	15.00	1,710.00	1.21
Lambeth.....		{ 13 20	100 watt 300 watt	<i>m</i> <i>m</i>	11.00 31.00	752.46	**

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## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing  
Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
Lanark.....	734	43	100 watt	<i>m</i>	\$ c. 13.00	\$ c. 559.00	\$ c. 0.76
Lancaster.....	563	{ 41 1	100 watt 200 watt	<i>m</i> <i>m</i>	12.00 20.00	512.00	0.91
La Salle.....	873	67	100 watt	<i>m</i>	12.00	804.00	0.92
Leamington.....	5,811	{ 184 5 193 5 3 4	250 c.p. 600 c.p. 100 watt 200 watt 300 watt 500 watt	<i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	15.00 25.00 13.00 17.00 21.00 35.00	5,418.12	††
Lindsay.....	7,203	{ 424 27	100 c.p. 1000 c.p.	<i>s</i> <i>s</i>	11.00 60.00	6,250.11	0.87
Listowell.....	2,892	{ 310 10 35	100 watt 200 watt 500 watt	<i>m</i> <i>m</i> <i>m</i>	10.00 25.00 35.00	4,465.39	††
London.....	74,000	{ 1,504 353 205 2 660 4 12 39 667 173 1	150 c.p. 400 c.p. 600 c.p. 50 watt 100 watt 150 watt 200 watt 200 watt 300 watt 500 watt 750 watt stands.	<i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	10.00-11.00 18.00-24.00 28.00-30.00 5.00 10.00-14.00 12.00 9.34 14.00 18.00-20.00 35.00-40.00 50.00	56,307.59	††
London Twp.....		{ 65 6 1 10 1	100 watt 100 watt 200 watt 300 watt 300 watt	<i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	12.00 21.50 16.50 30.00 31.00	1,245.70	**
Long Branch....	4,200	{ 199 113	100 watt 200 watt	<i>m</i> <i>m</i>	13.00 17.50	4,564.44	1.09
Lucan.....	599	{ 59 21	100 watt 300 watt	<i>m</i> <i>m</i>	14.00 33.00	1,518.96	2.54
Lucknow.....	1,015	{ 69 18	100 watt 200 watt	<i>m</i> <i>m</i>	15.00 25.00	1,462.50	1.44
Lynden.....		44	100 watt	<i>m</i>	10.00	440.00	**
Madoc.....	1,054	{ 340 69	25 watt 100 watt	<i>m</i> <i>m</i>	3.00 5.00	1,350.00	1.28
Markdale.....	795	{ 11 81	100 c.p. 100 watt	<i>s</i> <i>m</i>	10.00 10.00	1,010.00	1.27

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.  
††Certain additional street lighting costs for special service are paid direct in form of debenture charges.



## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing  
Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
Markham.....	1,170	119	100 watt <i>m</i>	\$ c. 11.00	\$ c. 1,309.00	\$ c. 1.12
Marmora.....	997	{ 44 24 19	75 watt <i>m</i> 100 watt <i>m</i> 150 watt <i>m</i>	{ 13.00 16.00 18.00	1,298.00	1.30
Martintown.....		16	100 watt <i>m</i>	11.00	176.00	**
Maxville.....	760	68	150 watt <i>m</i>	17.00	1,148.75	1.51
Meaford.....	2,759	{ 189 28 34	150 c.p. <i>s</i> 100 watt <i>m</i> 200 watt <i>m</i>	{ 11.00 11.00 19.00	3,037.57	1.10
Merlin.....		{ 35 12	100 watt <i>m</i> 200 watt <i>m</i> Decorative lights <i>m</i>	{ 15.00 21.00 51c. per 100 watts per month	738.67	**
Merritton.....	2,656	{ 312 26	100 watt <i>m</i> 200 watt <i>m</i>	{ 9.00 21.00	3,354.00	1.26
Midland.....	6,600	{ 328 52 30 8† 36	150 c.p. <i>s</i> 100 watt <i>m</i> 300 watt <i>m</i> 300 watt (6 mos.) <i>m</i> 500 watt <i>m</i>	{ 11.00 11.00 22.00 12.00 40.00	6,376.00	0.97
Mildmay.....	756	{ 47 11	100 watt <i>m</i> 150 watt <i>m</i>	{ 10.00 16.00	661.76	0.88
Millbrook.....	728	{ 35 20 3	60 watt <i>m</i> 100 watt <i>m</i> 300 watt <i>m</i>	{ 12.00 14.00 25.00	782.90	1.08
Milton.....	1,903	{ 127 25	100 watt <i>m</i> 300 watt <i>m</i>	{ 9.50 30.00	1,953.32	1.03
Milverton.....	997	{ 99 12	100 watt <i>m</i> 200 watt <i>m</i>	{ 9.00 12.00	1,035.00	1.04
Mimico.....	7,012	{ 312 73 119	100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i>	{ 12.00 20.00 26.00	8,226.32	1.17
Mitchell.....	1,666	{ 196 1 27	150 c.p. <i>s</i> 100 watt <i>m</i> 300 watt <i>m</i>	{ 9.00 5.00 29.00	2,552.00	1.53
Moorefield.....		25	100 watt <i>m</i>	13.00	325.00	**
Morrisburg.....	1,555	{ 221	100 watt <i>m</i> Decorative lights <i>m</i>	{ 11.00 23.22	2,454.22	1.58

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

†Dock lights owned by Dominion Government.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing  
Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
					\$ c.	\$ c.	\$ c.
Mount Brydges . . . . .		{ 47	100 watt	<i>m</i>	10.00	844.00	**
		{ 1	200 watt	<i>m</i>	17.00		
		{ 17	200 watt orn.	<i>m</i>	21.00		
Mount Forest . . . . .	1,909	{ 163	100 watt	<i>m</i>	10.00	2,270.02	1.19
		{ 37	150 watt	<i>m</i>	13.00		
		{ 3	200 watt	<i>m</i>	15.00		
		{ 6	300 watt	<i>m</i>	20.00		
Napanee . . . . .	3,234	{ 156	100 watt	<i>m</i>	12.00	4,239.00	1.31
		{ 2	250 watt	<i>m</i>	28.00		
		{ 2	250 watt	<i>m</i>	30.00		
		{ 5	300 watt	<i>m</i>	27.00		
		{ 40	300 watt	<i>m</i>	34.00		
		{ 21	400 watt	<i>m</i>	36.00		
Neustadt . . . . .	468	39	150 c.p.	<i>s</i>	18.00	702.00	1.50
Newbury . . . . .	275	48	100 watt	<i>m</i>	15.00	720.00	2.62
Newcastle . . . . .	698	{ 51	60 watt	<i>m</i>	11.00	593.44	0.85
		{ 2	100 watt	<i>m</i>	14.00		
New Hamburg . . . . .	1,446	{ 165	100 watt	<i>m</i>	9.00	2,217.00	1.53
		{ 61	200 watt	<i>m</i>	12.00		
New Toronto . . . . .	7,175	{ 103	75 watt	<i>m</i>	13.00	7,493.25	1.04
		{ 8	150 watt	<i>m</i>	15.50		
		{ 16	200 watt	<i>m</i>	17.00		
		{ 247	300 watt	<i>m</i>	21.00-24.00		
		{ 3	1000 watt	<i>m</i>	52.00		
Niagara Falls . . . . .	18,770	{ 844	100 c.p.	<i>s</i>	11.00	27,485.43	1 46
		{ 13	250 c.p.	<i>s</i>	13.00		
		{ 64	600 c.p.	<i>s</i>	18.00		
		{ 225	600 c.p. orn.	<i>s</i>	37.00		
		{ 196	1000 c.p. orn.	<i>s</i>	42.00		
		{ 1	100 watt	<i>m</i>	11.00		
Niagara-on-the-Lake . . . . .	1,764	{ 217	100 watt	<i>m</i>	11.00	3,630.65	2.06
		{ 5	200 watt	<i>m</i>	18.00		
		{ 58	300 watt	<i>m</i>	20.00		
Nipigon . . . . .		{ 29	100 watt	<i>m</i>	11.00	676.00	**
		{ 17	200 watt	<i>m</i>	21.00		
		{ 180	100 watt	<i>m</i>	12.00-18.00	4,128.67	**
		{ 66	200 watt	<i>m</i>	19.00-23.00		
		{ 1	400 watt	<i>m</i>	31.00		
		{ 2	(floodlight)				
		{ 2	1000 watt	<i>m</i>	65.00		
		{ 1	(floodlight)				
		{ 1	500 watt	<i>m</i>	25.80		
		{ 1	100 watt	<i>m</i>	12.00		
		{ 1	(Police sign)				
		{ 1	Safety light	<i>m</i>	30.00		
North York . . . . .							

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing  
Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
					\$ c.	\$ c.	\$ c.
Norwich.....	1,302	{ 112 28	100 watt 400 watt	<i>m</i> <i>m</i>	{ 10.00 35.00 }	2,100.00	1.61
Norwood.....	703	{ 77 10	100 watt 250 watt	<i>m</i> <i>m</i>	{ 18.00 21.00 }	1,596.00	2.27
Oil Springs.....	515	{ 41 1	100 watt 300 watt (6 mos.)	<i>m</i> <i>m</i>	{ 18.00 30.00 }	768.00	1.49
Omeme.....	547	{ 52 4 10	100 c.p. 100 watt 250 watt	<i>s</i> <i>m</i> <i>m</i>	{ 14.00 12.50 28.00 }	1,061.28	1.94
Orangeville.....	2,608	{ 100 51 38	150 c.p. 250 c.p. 300 watt	<i>s</i> <i>s</i> <i>m</i>	{ 10.00 16.00 23.00 }	2,680.37	1.03
Orono.....		51	100 watt	<i>m</i>	15.00	713.37	**
Oshawa.....	24,938	{ 867 51 112 30 1	100 c.p. 100 watt 150 watt 200 watt 500 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	{ 11.00 12.00 13.00 18.00 27.00 }	12,142.82	0.48
Ottawa.....	145,183	{ 347 876 909 59 779 44 2,795 30	100 c.p. 400 c.p. 600 c.p. Arc lamps 100 watt 500 watt 100 watt (Whiteway) 100 watt	<i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	{ 7.00 25.00 35.00 45.00 6.00 35.00 48c. per foot 5½c. per foot }	80,491.73	0.55
Otterville.....		{ 62 13	100 watt 200 watt	<i>m</i> <i>m</i>	{ 11.00 16.00 }	867.43	**
Owen Sound....	13,659	{ 452 343 16 47	150 c.p. 400 c.p. 600 c.p. 1000 c.p.	<i>s</i> <i>s</i> <i>s</i> <i>s</i>	{ 11.00 14.00 21.00 35.00 }	11,825.00	0.87
Paisley.....	727	90	100 watt	<i>m</i>	13.00	1,170.00	1.61
Palmerston.....	1,393	{ 66 1 11 25 9 4 19 1 32	80 c.p. 400 c.p. 60 watt 100 watt 150 watt 250 watt 300 watt 500 watt 300 watt stands.	<i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	{ 9.00 25.00 9.00 10.00 10.00 25.00 25.00 35.00 30.00 }	2,648.66	1.90

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.



## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				\$ c.	\$ c.	\$ c.
Paris.....	4,409	{ 478 2 10 34	{ 100 c.p. 60 watt 400 watt 500 watt	{ s m m m 8.50 7.00 28.00 35.00	{ 5,595.00	{ 1.27
Parkhill.....	1,022	{ 89 15	{ 100 watt 200 watt	{ m m 14.00 23.00	{ 1,577.04	{ 1.54
Penetanguishene.	4,076	{ 193 4 1 6	{ 100 c.p. 100 watt 200 watt 300 watt	{ s m m m 11.00 11.00 15.00 20.00	{ 2,298.79	{ 0.56
Perth.....	4,182	{ 83 14 7 19	{ 100 c.p. 250 c.p. 400 c.p. 600 c.p.	{ s s s s 17.00 27.00 30.00 45.00	{ 2,854.00	{ 0.68
Peterborough...	24,017	{ 122 374 613 85	{ 60 watt 100 watt 300 watt 300 watt	{ m m m m 12.00 13.00 20.00 45.00	{ 22,411.02	{ 0.93
Petrolia.....	2,772	{ 147 24 1	{ 150 c.p. 300 c.p. 300 watt	{ s s m 12.00 43.00 24.00	{ 2,820.00	{ 1.04
Picton.....	3,582	{ 326 3 29	{ 100 c.p. 250 c.p. 600 c.p.	{ s s s 9.00 15.00 31.00	{ 3,935.79	{ 1.10
Plattsville.....		34	100 watt	m 12.00	408.00	**
Point Edward...	1,177	{ 102 19 4	{ 150 c.p. 250 c.p. 400 c.p.	{ s s s 13.00 20.00 22.00	{ 1,751.80	{ 1.49
Port Arthur....	21,284	{ 2,709 232 208	{ 100 watt 300 watt 500 watt	{ m m m 5.00 10.00 15.00	{ 19,532.06	{ 0.92
Port Colborne...	6,483	{ 15 78 34 228 132	{ 400 c.p. 600 c.p. 100 watt 100 watt 200 watt	{ s s m m m 25.00 30.00 12.00 14.00 18.00	{ 8,688.54	{ ††
Port Credit....	1,906	{ 15 279 7	{ 100 watt (4 mos.) 100 watt 200 watt	{ m m m 9.50 9.50 16.00	{ 2,802.88	{ 1.47
Port. Dalhousie .	1,595	{ 129 2	{ 100 watt 200 watt	{ m m 12.00 15.00	{ 1,578.00	{ 0.99

\*\*Population not shown in Government statistics. s Series system. m Multiple system.

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## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				\$ c.	\$ c.	\$ c.
Port Dover.....	1,864	204	100 watt <i>m</i>	10.00	2,739.02	1.47
		14	300 watt <i>m</i>	18.00		
		32	100 watt <i>m</i>	6.00		
		4	(Summer) 300 watt <i>m</i>	10.00		
		306	(Summer) 25 watt <i>m</i> (decorative)	67c. per 100 watts per month		
Port Elgin.....	1,374	103	100 watt (3 mos.) <i>m</i>	14.00	2,612.50	1.90
		120	100 watt <i>m</i>	14.00		
		26	200 watt <i>m</i>	22.00		
Port Hope.....	4,812	403	100 c.p. <i>s</i>	10.00	4,122.48	0.86
		2	250 c.p. <i>s</i>	22.00		
		2	200 watt <i>m</i>	14.50		
		3	300 watt <i>m</i>	20.50		
Port McNicoll...	940	66	100 watt <i>m</i>	10.00	964.00	1.03
		19	200 watt <i>m</i>	16.00		
Port Perry.....	1,145	91	100 watt <i>m</i>	15.00	1,665.00	1.45
		10	300 watt <i>m</i>	30.00		
Port Rowan....	706	56	100 watt <i>m</i>	14.00	818.66	1.16
Port Stanley....	824	218	100 watt <i>m</i>	11.00	2,502.60	3.04
		8	200 watt <i>m</i>	14.00		
Prescott.....	2,925	78	100 watt <i>m</i>	10.00	3,644.70	1.25
		218	200 watt <i>m</i>	17.50		
Preston.....	6,292	134	150 c.p. <i>s</i>	11.00	5,517.45	0.88
		218	100 watt <i>m</i>	11.00		
		9	250 watt <i>m</i>	20.00		
		40	500 watt <i>m</i>	32.00		
		5	500 watt stands. <i>m</i>	35.00		
Priceville.....		16	100 watt <i>m</i>	30.00	480.00	**
Princeton.....		39	100 watt <i>m</i>	12.00	468.00	**
Queenston.....		24	100 watt <i>m</i>	16.00	384.00	**
Richmond.....	409	26	100 watt <i>m</i>	15.00	390.00	0.95
Richmond Hill..	1,317	105	75 watt <i>m</i>	11.00	1,494.09	1.13
		19	100 watt <i>m</i>	12.00		
		9	200 watt <i>m</i>	16.00		
Ridgetown.....	1,981	181	150 c.p. <i>s</i>	8.50	3,501.29	††
		1	1000 c.p. <i>s</i>	38.00		
		91	100 watt <i>m</i>	8.50		
		17	200 watt <i>m</i>	16.00		
		2	200 watt orn. <i>m</i>	16.00		
		2	250 watt <i>m</i>	18.00		
		20	500 watt <i>m</i>	33.00		

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## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
Ripley.....	439	{ 36 13	100 watt 200 watt	<i>m</i> <i>m</i>	\$ c. 17.00 30.00	\$ c. 969.50	\$ c. 2.21
Riverside.....	5,086	{ 275 71 14 10	75 watt 150 watt 200 watt 300 watt	<i>m</i> <i>m</i> <i>m</i> <i>m</i>	9.00 13.00 15.00 18.50	3,746.79	††
Rockwood.....		90	100 watt	<i>m</i>	9.00	799.50	**
Rodney.....	763	{ 70 23	100 watt 300 watt	<i>m</i> <i>m</i>	10.00 25.00	1,273.33	1.67
Rosseau.....	310	47	100 watt	<i>m</i>	30.00	1,410.00	4.55
Russell.....		50	100 watt	<i>m</i>	16.00	800.00	**
St. Catharines...	27,756	{ 2,205 148 5 10 19 71 106 31 17	100 watt 200 watt 500 watt 1000 watt 100 watt orn. 200 watt orn. 500 watt orn. 200 watt special 500 watt (bridge)	<i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	8.00 11.00 20.00 40.00 10.00 20.00 34.00 14.00 20.00	26,589.59	††
St. George.....		{ 40 3 1	100 watt 200 watt 750 watt	<i>m</i> <i>m</i> <i>m</i>	11.00 15.00 38.00	523.00	**
St. Jacobs.....		43	100 watt	<i>m</i>	10.00	430.00	**
St. Marys.....	4,018	{ 237 106 20 32	100 c.p. 250 c.p. 150 watt 300 watt	<i>s</i> <i>s</i> <i>m</i> <i>m</i>	10.50 14.00 12.00 22.00	4,895.75	1.22
St. Thomas.....	16,362	{ 1,105 28 114 2 6 32 2 22	100 c.p. 250 c.p. 600 c.p. 600 c.p. 60 watt 100 watt (5 mos.) 100 watt 300 watt	<i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	9.00 13.00 34.00 32.00 4.50 5.00 10.00 22.00	14,927.54	††
Sarnia.....	18,218	{ 1,081 55 72 77 14 7 8 5 14	150 c.p. 250 c.p. 400 c.p. 600 c.p. 600 c.p. 100 watt 150 watt 250 watt 300 watt	<i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	12.00 16.50 22.00 35.00 45.00 12.00 16.50 22.00 32.00	20,298.73	††

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## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing  
Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				\$ c.	\$ c.	\$ c.
Scarboro Twp.....		208	100 c.p.	<i>s</i> 12.00	15,432.08	**
		10	Empty sockets	<i>s</i> 9.00		
		4	250 c.p.	<i>s</i> 17.00		
		20	40 watt	<i>m</i> 12.00		
		2	60 watt	<i>m</i> 18.00		
		466	100 watt	<i>m</i> 11.50-17.50		
		43	200 watt	<i>m</i> 15.50-21.00		
		236	300 watt	<i>m</i> 24.00-26.00		
		21	Empty sockets	<i>m</i> 9.00		
		25	Empty sockets	<i>m</i> 14.50		
Seaforth.....	1,771	{ 120	100 c.p.	<i>s</i> 9.50	2,039.00	1.15
		31	300 watt orn.	<i>m</i> 29.00		
Shelburne.....	1,018	98	150 c.p.	<i>s</i> 9.00	882.00	0.87
Simcoe.....	6,263	290	100 c.p.	<i>s</i> 11.00	5,133.31	††
		11	250 c.p.	<i>s</i> 15.00		
		13	400 c.p.	<i>s</i> 18.00		
		27	1000 c.p.	<i>s</i> 40.00		
		11	150 watt	<i>m</i> 11.00		
		8	200 watt	<i>m</i> 15.00		
		6	200 watt orn.	<i>m</i> 24.00		
		1	500 watt	<i>m</i> 53.00		
		1	1000 watt	<i>m</i> 60.00		
Sioux Lookout...	1,933	92	100 watt	<i>m</i> 21.00	1,921.50	0.99
Smiths Falls....	7,672	18	50 watt	<i>m</i> 9.00	7,489.92	0.98
		101	100 watt	<i>m</i> 14.00		
		2	200 watt	<i>m</i> 20.00		
		267	300 watt	<i>m</i> 22.00		
Southampton...	1,515	114	100 watt	<i>m</i> 12.00	2,467.68	1.63
		55	250 watt	<i>m</i> 17.00		
		50	60 watt (3 mos.)	<i>m</i> 12.00		
		1	Decorative string	<i>m</i> 36.00		
Springfield.....	395	3	100 watt	<i>m</i> 9.50	611.50	1.55
		53	100 watt	<i>m</i> 11.00		
Stamford Twp.....		907	100 watt	<i>m</i> 9.00	8,151.38	**
Stayner.....	1,013	84	150 c.p.	<i>s</i> 10.00	1,192.00	1.18
		22	200 watt	<i>m</i> 16.00		
Stirling.....	981	110	150 watt	<i>m</i> 10.00	1,637.04	1.67
		2	300 watt	<i>m</i> 24.75		
		15	500 watt	<i>m</i> 32.50		
Stouffville.....	1,192	127	100 watt	<i>m</i> 11.00	1,397.00	1.17
Stratford.....	17,159	893	100 c.p.	<i>s</i> 10.00	17,019.71	0.99
		82	600 c.p.	<i>s</i> 25.00		
		131	600 c.p.	<i>s</i> 30.00		
		49	1000 c.p.	<i>s</i> 34.00		
		11	1000 c.p.	<i>s</i> 35.00		
		4	500 c.p.	<i>s</i> 34.00		

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				\$ c.	\$ c.	\$ c.
Strathroy.....	2,806	{ 303 21 17	100 c.p. <i>s</i> 250 c.p. <i>s</i> 600 c.p. <i>s</i>	9.00 15.00 62.00	4,095.96	1.46
Streetsville.....	697	{ 42 29 13	100 watt <i>m</i> 200 watt <i>m</i> 500 watt <i>m</i>	10.50 15.00 32.50	1,298.50	1.86
Sudbury.....	29,186	{ 749 226 4 42 15 71 68	100 c.p. <i>s</i> 250 c.p. <i>s</i> 600 c.p. <i>s</i> 600 c.p. <i>s</i> 1000 c.p. <i>s</i> 1500 c.p. <i>s</i> Mercury vapour <i>s</i>	12.00 16.00 28.00 50.00 57.00 65.00 65.00	23,872.76	0.82
Sunderland.....		{ 29 5	100 watt <i>m</i> 500 watt <i>m</i>	20.00 35.00	734.60	**
Sutton.....	853	{ 129 31	100 watt <i>m</i> 200 watt <i>m</i>	13.00 17.00	2,094.46	2.46
Swansea.....	6,375	{ 233 59	100 watt <i>m</i> 200 watt <i>m</i>	12.00 19.00	3,877.69	0.61
Tara.....	483	{ 54 17	100 watt <i>m</i> 300 watt <i>m</i>	11.00 30.00	1,104.00	2.29
Tavistock.....	1,080	{ 85 39	100 watt <i>m</i> 200 watt <i>m</i>	10.00 12.00	1,317.60	1.22
Tecumseh.....	2,237	{ 18 79 1	400 c.p. <i>s</i> 100 watt <i>m</i> 300 watt <i>m</i>	22.00 12.00 24.00	1,355.00	††
Teeswater.....	840	{ 48 15	100 c.p. <i>s</i> 250 c.p. <i>s</i>	13.00 26.00	1,107.60	1.32
Thamesford.....		47	100 watt <i>m</i>	11.00	519.75	**
Thamesville.....	826	{ 69 34 7 1 1	100 watt <i>m</i> 200 watt <i>m</i> 200 watt orn. <i>m</i> 250 watt <i>m</i> Decorative string <i>m</i>	9.00 15.50 18.00 17.50 38.18	1,329.68	1.61
Thedford.....	648	71	100 watt <i>m</i>	15.00	1,065.00	1.64
Thorndale.....		32	100 watt <i>m</i>	12.00	384.00	**
Thornton.....		25	100 watt <i>m</i>	25.00	625.00	**
Thorold.....	5,038	{ 413 2 35 2	75 watt <i>m</i> 100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i>	7.50 8.00 12.00 15.00	3,518.40	0.70

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## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and Style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				\$ c.	\$ c.	\$ c.
Tilbury.....	1,989	{ 109 25 164	100 watt <i>m</i> 200 watt <i>m</i> 25 watt <i>m</i>	{ \$ 12.00 20.00 38c. per 100 watts per month	1,856.14	0.93
Tillsonburg.....	4,376	{ 288 6 12 44 1	100 c.p. <i>s</i> 250 c.p. <i>s</i> 300 watt <i>m</i> 500 watt <i>m</i> Traffic light <i>m</i> Decorative lights <i>m</i>	{ 9.50 13.00 32.00 42.00 18.36 120.00	5,124.87	1.17
Toronto.....	649,123	{ 39,622 4,210 1,438 191 391 360 147	100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i> 1-lt. stds. 300 w. <i>m</i> 1-lt. stds. 500 w. <i>m</i> 5-lt. stds. 500 w. <i>m</i>	{ 8.00-10.00 14.00-20.00 20.00-25.00 35.00-40.00 40.00 47.50 47.50	495,181.60	0.76
Toronto Twp.....		457	100 watt <i>m</i>	11.50	5,107.08	**
Tottenham.....	532	49	150 c.p. <i>s</i>	18.00	882.00	1.66
Trenton.....	7,222	{ 48 312 53 1	600 c.p. <i>s</i> 100 watt <i>m</i> 200 watt <i>m</i> 500 watt <i>m</i>	{ 63.00 10.50 23.00 63.00	7,559.21	1.05
Tweed.....	1,246	{ 138 2	100 c.p. <i>s</i> 100 c.p. (specials) <i>s</i>	{ 13.00 15.00	1,774.08	1.42
Uxbridge.....	1,535	{ 134 6 1 1 3	100 watt <i>m</i> 100 watt (5 mos.) <i>m</i> 200 watt <i>m</i> 200 watt (5 mos.) <i>m</i> 300 watt <i>m</i>	{ 11.00 8.00 16.00 11.00 20.00	1,607.13	1.05
Victoria Harbour	979	78	100 watt <i>m</i>	8.50	663.00	0.68
Walkerton.....	2,523	{ 120 40 8 1	150 c.p. <i>s</i> 250 c.p. <i>s</i> 100 watt <i>m</i> 50 watt <i>m</i> Decorative lights <i>m</i>	{ 14.00 24.50 14.00 6.00 100.00	2,874.52	1.14
Wallaceburg....	4,783	{ 224 18 56	150 c.p. <i>s</i> 400 c.p. <i>s</i> 300 watt <i>m</i>	{ 12.00 22.00 31.00	4,802.04	1.00
Wardsville.....	233	36	100 watt <i>m</i>	20.00	720.00	3.09
Warkworth.....		{ 42 3	100 watt <i>m</i> 200 watt <i>m</i>	{ 13.00 23.00	615.00	**
Waterdown.....	892	{ 70 3 17	100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i>	{ 10.00 17.50 20.00	1,092.50	1.22

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## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing  
Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
					\$ c.	\$ c.	\$ c.
Waterford.....	1,284	{ 156 10 1	100 watt 200 watt 500 watt	<i>m</i> <i>m</i> <i>m</i>	8.00 15.00 25.00	1,488.00	1.16
Waterloo.....	8,623	{ 385 120 93 5 18 3 9 10 44	80 c.p. 100 c.p. 150 watt 200 watt 300 watt 500 watt 500 wlat 300 watt 3-lt.stds. 450 watt 5-lt.stds.	<i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	8.00 10.00 10.00 12.00 21.00 30.00 35.00 25.00 36.00	7,849.96	††
Watford.....	970	{ 90 16	100 watt 300 watt	<i>m</i> <i>m</i>	12.50 31.00	1,620.96	1.67
Waubashene.....		{ 48 10	100 watt 100 watt (5 mos.)	<i>m</i> <i>m</i>	9.00 5.00	482.00	**
Welland.....	11,205	{ 175 7 451 26 31 6 3 6	600 c.p. 600 c.p. (Park) 100 watt 200 watt 300 watt 300 watt orn. 500 watt Empty sockets	<i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	30.00 30.00 11.00 18.00 25.00 30.00 28.00 18.00	11,514.59	††
Wellesley.....		60	100 watt	<i>m</i>	11.00	660.00	**
Wellington.....	934	{ 84 5	100 c.p. 150 c.p.	<i>s</i> <i>s</i>	12.00 19.00	1,102.98	1.18
West Lorne.....	783	{ 88 10	100 watt 200 watt	<i>m</i> <i>m</i>	10.00 18.00	1,060.02	1.35
Weston.....	5,289	{ 424 15 111 5 20 2	100 c.p. 100 c.p. 600 c.p. 100 watt 5-lt.stds. 300 watt Municipal signs	<i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i>	7.50 9.50 30.00 21.00 11.00 110.00	7,287.13	1.38
Westport.....	710	{ 2 72	50 watt 100 watt	<i>m</i> <i>m</i>	10.00 19.00	1,372.19	1.93
Wheatley.....	764	{ 64 45	100 watt 150 watt	<i>m</i> <i>m</i>	13.00 16.00	1,528.12	2.00
Whitby.....	3,863	{ 120 70 112 2 30	80 c.p. 100 c.p. 100 watt 500 watt 500 watt	<i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i>	11.00 12.00 9.50 15.00 48.00	4,896.14	1.26

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

## STATEMENT "C"—Concluded

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
Warton.....	1,760	{ 114 27	100 watt <i>m</i> 200 watt <i>m</i>	\$ c. 14.00 23.00	\$ c. 2,309.56	\$ c. 1.31
Williamsburg....		{ 12	100 watt <i>m</i> Decorative lights <i>m</i>	15.00 106.92	286.92	**
Winchester.....	1,059	118	100 watt <i>m</i>	8.00	944.00	0.89
Windermere....	118	13	100 watt <i>m</i>	25.00	325.00	2.75
Windsor.....	102,680	{ 802	100 c.p. <i>s</i>	11.00	107,669.02	††
		{ 125	250 c.p. <i>s</i>	15.00		
		{ 267	400 c.p. <i>s</i>	19.00		
		{ 4	600 c.p. <i>s</i>	26.00		
		{ 2,416	100 c.p. orn. <i>s</i>	13.00		
		{ 846	250 c.p. orn. <i>s</i>	17.00		
		{ 834	400 c.p. orn. <i>s</i>	21.50		
		{ 49	600 c.p. orn. <i>s</i>	29.50		
		{ 47	1000 c.p. orn. <i>s</i>	39.50		
		{ 76	100 watt <i>m</i>	8.50		
		{ 2	150 watt <i>m</i>	11.50		
		{ 165	200 watt <i>m</i>	13.50		
		{ 69	300 watt <i>m</i>	19.00		
		{ 1,475	100 watt orn. <i>m</i>	10.00		
		{ 172	150 watt orn. <i>m</i>	13.00		
		{ 227	200 watt orn. <i>m</i>	15.00		
Wingham.....	2,149	{ 2	300 watt orn. <i>m</i>	24.50	3,100.00	1.44
		{ 6	500 watt orn. <i>m</i>	32.00		
		{ 108	150 c.p. <i>s</i>	15.00		
		{ 25	250 c.p. <i>s</i>	27.00		
		{ 22	200 watt <i>m</i>	27.00		
Woodbridge....	914	{ 8	Strings 200 watts each <i>m</i>	45c. per 100 watts per month	1,067.92	1.17
		{ 94 2	100 watt <i>m</i> 300 watt <i>m</i>	10.00 23.00		
Woodstock.....	11,418	{ 556	100 c.p. <i>s</i>	8.00	8,845.41	0.77
		{ 11	250 c.p. <i>s</i>	20.00		
		{ 138	100 watt <i>m</i>	8.00		
		{ 4	150 watt <i>m</i>	12.00		
		{ 42	200 watt <i>m</i>	16.00		
		{ 1	250 watt (floodlight) <i>m</i>	12.00		
Woodville.....	425	{ 99	300 watt <i>m</i>	24.00	634.02	1.49
		{ 37 5	100 watt <i>m</i> 500 watt <i>m</i>	12.00 38.00		
Wyoming.....	530	52	100 watt <i>m</i>	15.00	780.00	1.47
Zurich.....		63	100 watt <i>m</i>	11.00	693.00	**

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

**STATEMENT "D"**

(pages 326 to 343)

**Statistics relating to the Supply of Electrical Energy to Consumers  
in Ontario Urban Municipalities Served by  
The Hydro-Electric Power Commission  
for the year 1940**

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**STATEMENT "E"**

(pages 344 to 359)

**Cost of Power to Municipalities and Rates to Consumers for  
Domestic Service—Commercial Light Service—Power Service  
in Ontario Urban Municipalities Served by  
The Hydro-Electric Power Commission  
for the year 1940**



### STATEMENT "D"

#### Statistics Relating to the Supply of Electrical Energy to Consumers in Urban Municipalities Served by The Hydro-Electric Power Commission

Regarding the results of Hydro operation from the standpoint of the consumers, the following tabulation gives much useful and interesting information. For each main class of service in each urban municipal utility receiving power at cost from the Commission, Statement "D" lists the revenue, the consumption and the number of consumers, together with unit average costs and consumptions and other pertinent data.

The policy and practice of the Commission has been, and is, to make as widespread and beneficial a distribution of electrical energy as possible, and to extend to every community that can economically be reached by transmission lines, the benefit of electrical service. Even where, in certain localities, by reason of the distance from a source of supply or on account of the small quantity of power required by the municipality, the cost per horsepower to the municipality—and, consequently, the cost of service to the consumer—must unavoidably be higher than in more favourably situated communities, service has not been withheld when the consumers were able and willing to pay the cost.

The accompanying diagram summarizes graphically certain data of Statement "D" respecting the average cost to the consumer. It will be observed that the total amount of energy sold in municipalities where circumstances necessitate rates which result in the higher average costs to the consumer is relatively insignificant. With respect to power service, it should be noted that the statistics of Statement "D", and of the diagram, cover mainly retail power service supplied to the smaller industrial consumers. The average amount of power taken by the industrial consumers served by the municipalities is about 45 horsepower. The Commission serves certain large power consumers direct on behalf of the various systems of municipalities.

It should be kept in mind that the revenues reported in Statement "D", and used for purposes of calculating the net unit costs to the consumer, are the total revenues contributed by the consumers, and provide, in addition to the cost of power, sums specifically applicable to the retirement of capital, and also operating surplus which is in part applied to retirement of capital or extension of plant and is in part returned in cash to the consumers.

It should also be noted that average costs per kilowatt-hour or per horsepower if employed indiscriminately as a criterion by means of which to compare the rates or prices for electrical service in various municipalities, will give misleading results. The average cost per kilowatt-hour, as given in Statement "D" for respective classes of service in each municipality, are statistical results obtained by dividing the respective revenues by the aggregate kilowatt-hours sold. As such, the data reflect the combined influence of a number of factors, of which the rates or prices to consumers are but one factor. Owing to the varying influence of factors other than the rates, it is seldom found that in any two municipalities the average cost per kilowatt-hour to the consumers, even of the same classification, is in proportion to the respective rates for service. Instances even occur where for a class of consumers in one municipality, the average costs per kilowatt-hour are substantially lower than for the same class in another municipality, even though the rates are higher.

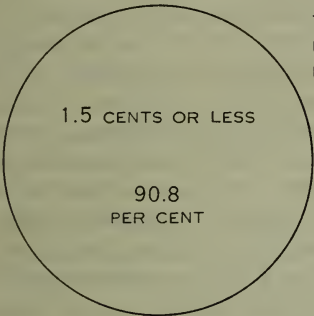
COST OF ELECTRICAL SERVICE

IN MUNICIPALITIES SERVED BY

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

DOMESTIC SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR DOMESTIC SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR.



1.6 TO 2.9 CENTS

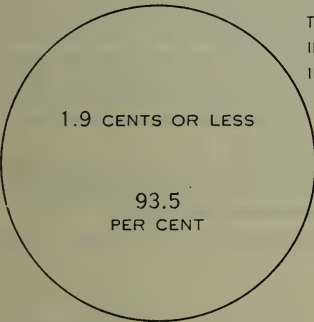


3.0 CENTS  
OR MORE



COMMERCIAL LIGHT SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR COMMERCIAL LIGHT SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



2.0 TO 3.9 CENTS

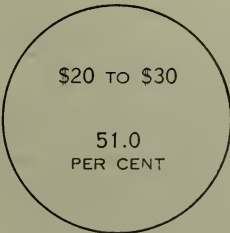
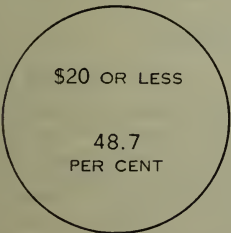


4.0 CENTS  
OR MORE

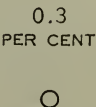


POWER SERVICE SUPPLIED BY MUNICIPALITIES

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE AGGREGATE HORSEPOWER SOLD FOR POWER SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER HORSEPOWER PER YEAR:



\$30 OR MORE



With respect to domestic service, for example, instances may be observed where two municipalities have identical prices or rates for domestic service, but the average cost per kilowatt-hour to the consumer varies by as much as 50 per cent or more. Such variations are due principally to differences in the extent of utilization of the service for the operation of electric ranges, water heaters and other appliances, an indication of which is afforded by the statistics of average monthly consumption.

In the case of power service, average unit costs are still less reliable as an indication of the relative rates for service in different municipalities. In the case of hydro-electric power supplied to industries at cost, the rate schedules incorporate charges both for demand and for energy consumption, and thus, although the quantity of power taken by a consumer—that is, the demand as measured in horsepower—is the most important factor affecting costs and revenues, it is not the only one. The number of hours the power is used in the month or year—which, in conjunction with the power, determines the energy consumption, as measured in kilowatt-hours—also affects the costs and revenues. Consequently, in two municipalities charging the same rates for power service, the average cost per horsepower to the consumer will vary in accordance with the consumers' average number of hours' use of the power per month. A greater average energy consumption per horsepower increases the average cost per horsepower and decreases the average cost per kilowatt-hour to the consumer, and *vice versa*.\*

\*In view of the fact that the data of Statement "D" have been misinterpreted in the making of certain comparisons as to the cost of electricity in various territories, it is desirable to add a word of caution respecting their significance. Essentially, the average cost or revenue per kilowatt-hour is *not a criterion of rates* even with similar forms of rate schedules and for the same class of service. Particularly is this true when revenues and consumptions of all classes of service and of all kinds of rate schedules, are indiscriminately lumped together in order to deduce a so-called "average cost or rate per kilowatt-hour" for all services.

*In one community rates for each class of service, and the cost to every consumer in each class for any given service and consumption, may be substantially higher than in another community, and yet there may be in the former community a lower "average revenue per kilowatt-hour."*

EXAMPLE.—Assume sales of electrical energy by two electric utilities, A and B, in each case 10,000,000 kilowatt-hours.

Class of service	CASE A Higher rates and lower revenues per kilowatt-hour			CASE B Lower rates and higher revenues per kilowatt-hour		
	Energy sales	Rate per kw-hr.	Revenue	Energy sales	Rate per kw-hr.	Revenue
	kw-hr.	cents	\$	kw-hr.	cents	\$
Residence.....	1,000,000	4	40,000	3,000,000	3	90,000
Power.....	9,000,000	1	90,000	7,000,000	0.75	52,500
Total.....	10,000,000	....	130,000	10,000,000	....	142,500
Average revenue....	1.3 cents per kw-hr.			1.425 cents per kw-hr.		

It will be observed that in Case A the rates both for residence and for power service are 33 per cent higher than in Case B, but the average revenue per kilowatt-hour is nearly 9 per cent less.

In this instance, the explanation lies in the relative quantities of energy sold to each class. Service to large power consumers entails a smaller capital investment in distribution lines and equipment and lower operating costs per kilowatt-hour delivered, than does service to domestic and to commercial light consumers, and even where the rates for all classes of service are low, produces a smaller average revenue per kilowatt-hour. Consequently, if one electrical utility as compared with another sells a larger proportion of its energy for power purposes, its "average revenue per kilowatt-hour" may easily be lower than that of the other utility even though its rates for every class of service are substantially higher.



Although the derived statistics of Statement "D" are valueless as a means of comparing the *rates* in one municipality with those in another, they nevertheless fulfil a function in affording a general measure of the *economy of service* to consumers in the co-operating Ontario municipalities—an economy that has resulted primarily from the low rates themselves, and secondarily from the extensive use of the service that has been made possible by the low rates.

Actual bills rendered to typical consumers for similar service under closely comparable circumstances constitute the best basis for making comparisons. In researches respecting rates to consumers therefore the actual *rate schedules* of Statement "E" should be employed, and not statistics of average revenues per kilowatt-hour, as these are valueless for rate comparisons—and particularly so when all classifications of service are combined.

In any consideration of the relative economies of electrical service in the various municipalities—whether based on the actual rates for service as set forth in Statement "E", or on the derived statistics resulting from the rates and other factors as presented in Statement "D"—full account should be taken respectively of the influence upon costs of such factors as the size of the municipality, the distance from the source of power, the features of the power developments, the sizes and concentrations of adjacent markets for electricity, and the sizes and characters of the loads supplied under the various classifications by the local electrical utility to the consumers.

In Statement "D" account has been taken of the sizes of municipalities by grouping them according to whether they are (i) cities—over 10,000 population; (ii) towns of 2,000 to 10,000 population; or (iii) small towns (under 2,000 population), villages, and suburban areas in townships (which are comparable in respect of conditions of supply to the smaller towns and villages). The populations are also given, and the situation of any municipality with respect to transmission lines and power supplies may be ascertained by consulting the maps at the end of the Report.

A feature of the electrical service in Ontario municipalities served by The Hydro-Electric Power Commission is the strikingly large average annual consumption per domestic consumer. There are very few Ontario urban municipalities where the average annual consumption per domestic consumer is less than 600 kilowatt-hours. Of the 87 cities and towns with populations of 2,000 or more—in which over 85 per cent of the domestic consumers of the undertaking are served—no less than 78 have an average annual consumption per domestic consumer in excess of 1,000 kilowatt-hours; of these, 56 have an average annual consumption per domestic consumer in excess of 1,500 kilowatt-hours, and 25 have an average annual consumption per domestic consumer in excess of 2,000 kilowatt-hours.

The high average consumption for domestic service results essentially from the policy of the undertaking in providing service "at cost"; the rate schedules designed according to this principle automatically encourage liberal use of the service. Under the standard rate schedules employed by Ontario municipalities, follow-up rates of 1 cent and 1.25 cents (less 10 per cent) are in common use, and as a rule even where the higher initial rates per kilowatt-hour obtain, it is only necessary for the domestic consumer to reach a monthly charge of from \$2.00 to \$3.00 to obtain the benefit of a follow-up rate of 1.8 cents net. The cost of electric cooking is thus within reach of most of the domestic consumers in Ontario. Electric water heating is also encouraged by low flat rates for continuous heaters and by installation of equipment without capital cost to the consumer.

## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service

## Group I—CITIES

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Belleville.....	E.O.	14,678	80,184.48	8,898,302	3,358	221	1.99	1.0
Brantford.....	Nia.	13,309	173,969.64	14,150,557	7,970	148	1.82	1.2
Chatham.....	Nia.	16,910	95,905.77	5,726,799	4,228	112	1.89	1.7
Fort William.....	T.B.	24,843	208,634.12	33,041,093	6,200	444	2.80	0.6
Galt.....	Nia.	14,286	100,961.46	8,075.893	3,969	170	2.12	1.3
Guelph.....	Nia.	21,518	113,679.80	10,374,858	5,437	159	1.74	1.1
Hamilton.....	Nia.	154,690	871,740.09	74,029,018	39,915	154	1.82	1.2
Kingston.....	E.O.	23,989	156,212.52	14,021,906	6,481	180	2.01	1.1
Kitchener.....	Nia.	33,080	214,576.95	19,859,617	8,046	206	2.22	1.1
London.....	Nia.	74,000	553,151.45	53,005,667	18,285	242	2.52	1.0
Niagara Falls.....	Nia.	18,770	127,857.13	12,006,255	4,696	213	2.27	1.1
Oshawa.....	E.O.	24,938	188,281.50	12,248,119	6,451	158	2.43	1.5
Ottawa.....	E.O.	145,183	560,603.53	64,544,009	14,399	374	3.25	0.8
Owen Sound.....	G.B.	13,659	60,413.31	4,722,854	3,432	115	1.47	1.3
Peterborough.....	E.O.	24,017	162,173.76	14,403,236	5,821	206	2.32	1.1
Port Arthur.....	T.B.	21,284	121,418.16	13,780,192	5,185	221	1.95	0.9
St. Catharines.....	Nia.	27,756	148,233.19	13,361,671	7,377	151	1.67	1.1
St. Thomas.....	Nia.	16,362	126,579.82	12,958,725	4,444	243	2.37	1.0
Sarnia.....	Nia.	18,218	95,810.53	6,623,590	4,803	115	1.66	1.4
Stratford.....	Nia.	17,159	134,475.31	10,867,604	4,371	207	2.56	1.2
Sudbury.....	N.O.P.	29,186	230,356.19	13,808,212	7,663	150	2.51	1.7
Toronto.....	Nia.	649,123	4,574,922.45	378,065,164	168,101	187	2.27	1.2
Toronto D.C. and 60 cycle†.....			14,307.94	489,820	259	158	4.60	2.9
Welland.....	Nia.	11,205	58,882.73	3,934,118	2,626	125	1.87	1.5
Windsor.....	Nia.	102,680	707,339.40	49,666,401	23,872	173	2.47	1.4
Woodstock.....	Nia.	11,418	75,020.26	6,844,870	3,230	176	1.94	1.1

†This—with the exception of a relatively small D.C. power load—is a special service not created by The Hydro-Electric Power Commission but acquired through the purchase of a privately owned company. It does not include street railway power.

## Group II—TOWNS

Amherstburg.....	Nia.	2,755	21,915.79	1,608,604	699	192	2.61	1.4
Arnprior.....	E.O.	3,898	18,247.03	863,670	790	91	1.92	2.1
Aylmer.....	Nia.	1,979	11,259.71	778,240	707	92	1.33	1.4
Barrie.....	G.B.	8,446	62,446.09	5,734,006	2,192	219	2.38	1.1
Bowmanville.....	E.O.	3,800	28,629.76	1,735,179	1,175	123	2.03	1.7
Brampton.....	Nia.	5,695	41,469.64	3,418,682	1,538	185	2.25	1.2
Brockville.....	E.O.	9,961	55,166.92	4,885,914	2,921	139	1.57	1.1
Carleton Place.....	E.O.	4,275	20,176.21	1,344,362	1,025	109	1.64	1.5
Cobourg.....	E.O.	5,268	36,393.08	2,218,282	1,363	136	2.22	1.6
Collingwood.....	G.B.	5,342	28,379.14	1,731,547	1,397	103	1.69	1.6
Delhi.....	Nia.	2,544	11,810.30	558,842	549	85	1.79	2.1
Dundas.....	Nia.	5,012	23,697.80	1,515,406	1,324	95	1.49	1.6
Dunnville.....	Nia.	3,870	14,835.93	880,017	958	77	1.29	1.7
Elmira.....	Nia.	2,069	15,039.75	976,387	531	153	2.36	1.5
Fergus.....	Nia.	2,732	20,326.91	1,253,090	721	145	2.35	1.6



"D"

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1940

Population, 10,000 or more

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
54,394.21	4,564,304	657	579	6.90	1.2	41,564.67	101	2,724.3	4,116
80,193.06	8,292,155	1,262	548	5.30	1.0	*147,609.51	196	8,957.6	9,428
92,582.83	6,139,976	788	649	9.79	1.5	91,015.04	103	4,217.7	5,119
77,282.20	5,352,794	970	460	6.64	1.5	71,759.15	124	3,965.1	7,294
49,933.31	3,554,739	502	590	8.29	1.4	129,092.77	114	6,750.8	4,585
58,552.25	5,159,637	798	539	6.11	1.1	136,562.27	139	8,191.2	6,374
491,920.80	45,048,173	5,183	724	7.91	1.1	2,133,619.33	1,270	114,697.9	46,368
106,686.90	8,574,251	981	728	9.06	1.2	123,364.77	173	6,784.7	7,635
132,974.17	9,600,082	1,090	733	10.17	1.4	329,997.56	257	16,412.0	9,393
227,822.07	18,647,422	2,163	718	8.78	1.2	442,599.88	462	23,744.4	20,910
67,203.75	6,181,654	716	719	7.82	1.1	85,547.30	91	4,930.9	5,503
75,583.84	3,911,937	563	579	11.19	1.9	273,189.35	109	12,432.5	7,123
236,825.40	16,138,884	1,442	903	13.69	1.5	77,849.60	197	4,802.6	16,038
44,135.76	3,232,104	589	457	6.24	1.4	48,814.18	108	2,849.4	4,129
91,994.30	5,494,949	924	496	8.30	1.7	136,463.60	160	7,031.6	6,905
73,212.69	6,614,528	825	668	7.40	1.1	721,657.79	106	41,586.8	6,116
88,300.40	7,644,404	1,033	617	7.12	1.2	213,948.34	211	13,041.4	8,621
58,272.36	5,168,647	615	700	7.89	1.1	62,572.15	83	3,904.8	5,142
53,588.33	4,012,575	640	522	6.98	1.3	168,818.48	81	7,196.1	5,524
58,569.30	3,615,074	597	505	8.18	1.6	64,183.51	118	3,226.4	5,086
156,384.05	5,639,163	1,105	425	11.79	2.8	52,556.97	137	1,938.4	8,905
3,108,302.08	198,490,116	24,982	665	10.37	1.6	†4,201,017.65	4,378	177,889.0	197,461
58,856.95	1,433,940	383	312	12.81	4.1	297,908.11	755	11,362.0	1,397
36,785.60	2,582,021	496	434	6.18	1.4	154,519.72	84	7,408.0	3,206
384,817.81	26,015,354	3,162	685	10.14	1.5	589,051.20	458	27,642.9	27,492
45,367.61	3,472,800	470	616	8.04	1.3	83,020.50	90	4,959.8	3,790

NOTE—The above group of 25 cities utilizes about 80 per cent of the power distributed by the Commission to Ontario municipalities.

\*Includes only 25-cycle data. †Does not include street railway power.

of Population, 2,000 or more

8,496.77	490,923	137	299	5.17	1.8	6,902.77	14	309.8	850
11,289.15	360,715	161	187	5.84	3.1	19,054.36	20	832.3	971
10,323.52	659,300	154	357	5.59	1.6	6,573.55	13	368.4	874
43,958.59	2,854,652	427	557	8.58	1.5	21,056.75	53	1,124.5	2,672
10,617.11	543,580	158	286	5.60	2.0	55,687.96	25	2,199.5	1,358
20,276.47	1,206,163	243	414	6.95	1.7	21,243.20	53	1,347.8	1,834
26,027.86	2,213,666	418	441	5.18	1.2	42,881.12	73	2,532.0	3,412
9,676.14	479,744	191	209	4.22	2.0	28,967.98	19	1,476.6	1,235
21,474.38	1,057,487	250	352	7.15	2.0	25,942.23	50	1,320.2	1,663
14,280.05	769,493	201	319	5.92	1.9	26,419.64	51	1,581.2	1,649
11,507.18	522,492	142	307	6.75	2.2	8,319.94	6	307.2	697
13,276.96	882,270	195	377	5.67	1.5	28,494.19	37	1,840.6	1,556
15,923.13	989,089	218	378	6.09	1.6	15,384.08	26	951.7	1,202
8,162.84	382,378	120	266	5.67	2.1	6,584.52	21	354.7	672
8,828.22	419,824	120	292	6.13	2.1	17,973.58	13	742.6	854



**STATEMENT**

**Statistics Relating to the Supply of Electrical Energy to Consumers**  
**For Domestic Service, for Commercial Light Service**  
**Group II—TOWNS**

Municipality	System	Popula- tion	Domestic service					Average monthly consumption kw-hr.	Average monthly bill \$ c.	Net cost per kw-hr. cents
			Revenue	Consumption	Number of con- sumers					
			\$ c.	kw-hr.						
Forest Hill.....	Nia.	11,757	205,573.16	16,844,463	3,325		422	5.15	1.2	
Georgetown.....	Nia.	2,427	19,236.80	1,275,829	764		139	2.10	1.5	
Goderich.....	Nia.	4,484	31,401.37	1,931,613	1,271		127	2.06	1.6	
Gravenhurst.....	G.B.	2,193	10,328.46	853,802	529		134	1.63	1.2	
Hanover.....	G.B.	3,235	19,821.78	1,206,227	777		129	2.13	1.6	
Hespeler.....	Nia.	2,895	15,971.78	928,717	783		99	1.70	1.7	
Humberstone.....	Nia.	2,784	10,643.05	547,500	682		67	1.30	1.9	
Huntsville.....	G.B.	2,764	13,639.62	1,201,675	691		145	1.64	1.1	
Ingersoll.....	Nia.	5,302	31,456.54	2,420,232	1,462		138	1.79	1.3	
Kincardine.....	G.B.	2,470	15,889.23	661,096	698		79	1.90	2.4	
Kingsville.....	Nia.	2,360	14,862.56	956,117	624		128	1.98	1.6	
Leamington.....	Nia.	5,811	27,185.89	1,904,226	1,570		101	1.44	1.4	
Lindsay.....	E.O.	7,203	43,382.59	3,137,023	2,047		128	1.77	1.4	
Listowel.....	Nia.	2,892	16,812.28	1,150,120	770		124	1.82	1.5	
Long Branch.....	Nia.	4,200	29,563.74	1,965,907	1,388		118	1.77	1.5	
Meaford.....	G.B.	2,759	13,310.58	655,684	707		77	1.57	2.0	
Merritton.....	Nia.	2,656	13,960.91	1,043,242	773		112	1.51	1.3	
Midland.....	G.B.	6,600	35,613.65	2,426,978	1,559		130	1.90	1.5	
Mimico.....	Nia.	7,112	57,116.46	4,489,842	1,973		190	2.41	1.3	
Napanee.....	E.O.	3,234	24,093.56	1,586,968	831		159	2.42	1.5	
New Toronto.....	Nia.	7,175	38,493.94	2,806,216	1,856		126	1.73	1.4	
Orangeville.....	G.B.	2,608	16,135.51	946,192	750		105	1.79	1.7	
Paris.....	Nia.	4,409	24,135.45	1,931,723	1,168		138	1.72	1.2	
Penetanguishene.....	G.B.	4,076	12,470.63	621,962	682		76	1.52	2.0	
Perth.....	E.O.	4,182	25,434.54	1,849,973	1,033		149	2.05	1.4	
Petrolia.....	Nia.	2,772	12,700.03	700,873	796		73	1.33	1.8	
Pictou.....	E.O.	3,582	22,484.32	1,453,908	1,042		116	1.80	1.5	
Port Colborne.....	Nia.	6,483	31,275.04	1,630,955	1,541		88	1.69	1.9	
Port Hope.....	E.O.	4,812	27,970.81	2,090,194	1,360		128	1.71	1.3	
Prescott.....	E.O.	2,925	18,808.53	1,502,643	703		178	2.23	1.3	
Preston.....	Nia.	6,292	33,093.89	2,446,096	1,557		131	1.77	1.4	
Riverside.....	Nia.	5,086	37,786.48	1,920,168	1,370		116	2.30	2.0	
St. Marys.....	Nia.	4,018	26,970.87	1,814,103	1,032		146	2.18	1.5	
Simcoe.....	Nia.	6,263	26,868.47	1,904,130	1,584		100	1.41	1.4	
Smiths Falls.....	E.O.	7,672	44,673.09	3,396,460	1,905		149	1.95	1.3	
Strathroy.....	Nia.	2,806	20,978.75	1,775,205	831		178	2.10	1.2	
Swansea.....	Nia.	6,375	76,173.70	5,430,281	1,932		234	3.28	1.4	
Tecumseh.....	Nia.	2,237	13,613.63	512,334	600		71	1.89	2.7	
Thorold.....	Nia.	5,038	19,955.64	1,437,212	1,201		100	1.38	1.4	
Tillsonburg.....	Nia.	4,376	19,533.65	1,297,974	1,191		91	1.37	1.5	
Trenton.....	E.O.	7,222	36,386.52	2,482,528	1,590		130	1.91	1.5	
Walkerton.....	G.B.	2,523	17,467.49	1,005,393	637		132	2.29	1.7	
Wallaceburg.....	Nia.	4,783	20,406.25	1,144,913	1,165		82	1.46	1.8	
Waterloo.....	Nia.	8,623	64,592.59	6,646,472	2,151		257	2.50	1.0	
Weston.....	Nia.	5,289	49,854.99	5,093,739	1,447		293	2.87	1.0	
Whitby.....	E.O.	3,863	25,520.51	1,823,728	925		164	2.30	1.4	
Wingham.....	G.B.	2,149	12,499.27	689,740	570		101	1.83	1.8	

# “D”—Continued

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1940  
population, 2,000 or more

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
27,864.88	1,768,492	242	609	9.59	1.6	3,432.30	23	170.7	3,590
8,926.82	576,555	132	364	5.64	1.5	30,622.52	27	1,378.6	923
16,972.12	767,660	256	250	5.52	2.2	17,102.34	20	826.6	1,547
9,799.78	752,588	113	555	7.23	1.3	13,466.42	16	660.1	658
8,537.07	445,271	141	263	5.05	1.9	19,257.46	23	886.1	941
5,322.55	315,497	105	250	4.22	1.7	54,009.08	29	2,326.0	917
3,875.61	282,480	78	302	4.14	1.4	4,781.78	9	237.7	769
12,026.40	836,956	139	502	7.21	1.4	16,094.54	15	1,089.5	845
17,522.98	1,266,621	237	445	6.16	1.4	33,408.68	45	1,907.8	1,744
9,378.77	311,080	112	231	6.98	3.0	12,156.24	18	527.9	828
9,029.76	525,901	156	281	4.82	1.7	4,951.94	19	249.2	799
19,169.70	1,325,701	265	417	6.04	1.4	19,664.91	34	1,209.3	1,869
29,531.75	1,529,301	338	377	7.28	1.9	37,604.88	70	2,000.4	2,455
12,648.95	746,916	162	384	6.51	1.7	15,356.50	23	798.4	955
6,796.79	438,861	98	373	5.78	1.5	2,496.68	5	111.7	1,491
8,533.10	417,168	148	235	4.80	2.0	6,129.95	18	359.9	873
3,263.26	238,981	66	302	4.12	1.4	142,494.81	15	6,487.9	854
17,713.45	1,051,764	198	443	7.46	1.7	55,242.99	49	3,503.7	1,806
11,475.08	780,937	153	425	6.25	1.5	11,207.79	18	486.6	2,144
16,617.77	823,116	202	340	6.86	2.0	9,546.78	27	511.7	1,060
18,280.46	1,417,443	220	537	6.92	1.3	198,940.04	33	8,715.2	2,109
10,583.20	566,523	145	326	6.08	1.9	6,495.22	24	344.9	919
8,779.83	685,498	192	298	3.81	1.3	18,814.04	24	1,121.1	1,384
7,598.17	347,868	113	257	5.60	2.2	18,634.62	25	747.2	820
15,627.70	917,582	197	388	6.61	1.7	15,685.53	27	877.5	1,257
8,441.33	385,020	186	173	3.78	2.2	25,428.57	64	959.1	1,046
17,097.12	1,004,799	203	412	7.05	1.7	4,969.58	30	355.2	1,275
18,782.24	1,196,812	255	391	6.14	1.6	23,819.66	23	1,114.0	1,819
13,658.73	921,922	215	357	5.29	1.5	30,299.07	38	1,582.0	1,613
10,854.89	659,931	178	309	5.08	1.6	5,613.97	21	380.0	902
20,868.24	1,265,268	232	454	7.50	1.6	49,453.45	44	2,783.5	1,833
5,104.98	264,899	58	380	7.33	1.9	6,256.22	9	230.1	1,437
10,956.64	561,293	182	257	5.02	2.0	23,279.59	39	997.2	1,253
32,628.22	2,575,217	377	569	7.21	1.3	30,149.76	43	1,511.1	2,004
16,900.09	979,890	295	277	4.77	1.7	19,806.81	41	1,081.3	2,241
12,957.49	803,641	180	372	5.99	1.6	10,906.03	30	758.3	1,041
10,243.53	633,248	97	544	8.80	1.6	18,792.39	15	821.2	2,044
5,248.38	224,130	56	333	7.81	2.3	2,595.05	3	120.3	659
8,171.15	714,004	163	365	4.18	1.1	43,350.13	16	2,079.2	1,380
18,708.95	1,320,777	255	432	6.11	1.4	13,339.56	33	770.0	1,479
23,876.26	1,250,671	266	392	7.48	1.9	67,830.85	52	3,157.4	1,908
10,716.90	576,869	146	295	6.12	2.1	8,061.11	19	302.5	802
14,566.67	817,532	251	291	4.83	1.7	59,489.35	39	2,524.2	1,455
26,632.36	1,979,167	248	665	8.95	1.3	40,101.41	71	2,280.4	2,470
12,468.72	995,402	171	485	6.08	1.3	53,569.41	29	2,667.8	1,647
13,155.52	771,386	157	409	6.98	1.7	15,015.77	23	672.5	1,105
8,356.95	371,024	143	216	4.87	2.3	9,544.16	25	451.4	738

## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service

## Group III—SMALL TOWNS (less than 2,000 population),

NOTE—The power used in the smaller places and rural districts is, and possibly must always be, a relatively small proportion of the power distributed by the Commission. Thus, the power used by the small municipalities in the following group, which includes small towns, villages and certain suburban areas in townships, is less than 10 per cent of the power distributed by the Commission to Ontario municipalities. This relatively small proportion of the total power,

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw.-hr.
			\$ c.	kw.-hr.		kw.-hr.	\$ c.	cents
Acton.....	Nia.	1,903	12,007.88	888,323	520	142	1.92	1.4
Agincourt.....	Nia.	P.V.	5,089.99	328,024	157	174	2.70	1.6
Ailsa Craig.....	Nia.	477	2,548.95	140,750	144	81	1.48	1.8
Alexandria.....	E.O.	1,951	7,902.15	211,467	379	46	1.74	3.7
Alliston.....	G.B.	1,437	10,601.69	445,950	412	90	2.14	2.4
Alvinston.....	Nia.	663	3,766.54	90,920	165	46	1.90	4.1
Ancaster Twp.....	Nia.	.....	12,245.14	730,509	350	174	2.91	1.7
Apple Hill.....	E.O.	P.V.	1,374.14	28,599	57	42	2.01	4.8
Arkona.....	Nia.	408	2,929.14	73,526	108	57	2.26	4.0
Arthur.....	G.B.	1,038	5,350.21	139,612	224	52	1.99	3.8
Athens.....	E.O.	700	3,217.92	65,990	184	30	1.46	4.9
Ayr.....	Nia.	768	5,526.19	292,837	256	95	1.80	1.9
Baden.....	Nia.	P.V.	3,517.71	257,512	152	141	1.93	1.4
Bath.....	E.O.	315	1,913.26	48,481	52	78	3.07	3.9
Beachville.....	Nia.	P.V.	3,498.48	195,217	164	99	1.78	1.8
Beamsville.....	Nia.	1,186	9,945.24	696,745	364	160	2.28	1.4
Beaverton.....	G.B.	915	5,392.66	304,722	331	77	1.36	1.8
Beeton.....	G.B.	568	3,438.83	87,581	130	56	2.20	3.9
Belle River.....	Nia.	852	4,601.27	175,936	248	59	1.55	2.6
Blenheim.....	Nia.	1,844	9,263.88	544,873	541	84	1.43	1.7
Bloomfield.....	E.O.	629	3,138.69	128,295	171	63	1.53	2.4
Blyth.....	Nia.	656	3,559.61	130,977	178	61	1.67	2.7
Bolton.....	Nia.	600	4,182.48	228,822	181	105	1.93	1.8
Bothwell.....	Nia.	646	2,900.61	163,170	187	73	1.29	1.8
Bradford.....	G.B.	1,004	6,233.81	199,509	241	69	2.16	3.1
Brantford Twp.....	Nia.	.....	23,489.43	1,437,489	1,050	114	1.86	1.6
Brechin.....	G.B.	P.V.	1,527.49	41,446	57	61	2.23	3.7
Bridgeport.....	Nia.	P.V.	4,850.10	197,396	180	91	2.25	2.5
Brigden.....	Nia.	P.V.	2,272.14	75,584	117	54	1.62	3.0
Brighton.....	E.O.	1,556	9,655.46	309,978	532	49	1.51	3.1
Brussels.....	Nia.	814	4,644.73	167,811	247	57	1.57	2.8
Burford.....	Nia.	P.V.	4,818.82	324,277	200	135	2.01	1.5
Burgessville.....	Nia.	P.V.	1,732.08	58,922	56	88	2.58	2.9
Caledonia.....	Nia.	1,425	6,807.70	355,074	425	70	1.33	1.9
Campbellville.....	Nia.	P.V.	1,600.18	48,913	54	75	2.47	3.3
Cannington.....	G.B.	705	5,590.23	232,981	248	78	1.88	2.4
Capreol.....	N.O.P.	1,700	9,167.45	269,118	328	68	2.33	3.4
Cardinal.....	E.O.	1,576	7,665.63	478,191	375	106	1.70	1.6
Cayuga.....	Nia.	658	3,919.09	137,876	175	66	1.87	2.8
Chatsworth.....	G.B.	321	1,959.00	72,935	95	64	1.72	2.7



# “D”—Continued

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1940

## VILLAGES AND SUBURBAN AREAS

however, exerts upon the economic life of the Province a most beneficial influence. It should further be appreciated that about 35 per cent of these municipalities obtain their power, not from Niagara, but from relatively small water-power developments throughout the Province, or from purchased power. The net cost per kilowatt-hour given in the table is the cost inclusive of all charges. Consult also introduction to Statement “D”, page 326.

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
4,860.03	321,880	94	285	4.31	1.5	20,162.85	16	828.2	630
1,400.01	62,303	27	192	4.32	2.2	699.74	2	54.8	186
1,324.56	53,571	38	117	2.90	2.5	919.98	3	37.8	185
5,145.01	121,119	110	92	3.90	4.2	4,753.86	17	170.7	506
7,399.95	267,192	106	210	5.82	2.8	2,699.12	14	157.9	532
2,093.56	60,537	53	95	3.29	3.5	512.26	2	17.8	220
3,152.57	167,165	36	384	7.29	1.8	1,042.38	7	64.7	393
1,039.00	35,472	23	129	3.76	2.9	501.48	2	24.6	82
1,798.38	48,049	36	111	4.16	3.7	7.72	1	.8	145
4,972.13	128,090	88	121	4.71	3.9	949.52	6	85.4	318
1,536.25	44,410	48	77	2.67	3.5	903.76	1	33.6	233
1,796.38	82,410	44	156	3.40	2.2	542.87	4	31.5	304
2,015.25	113,687	37	256	4.54	1.8	5,606.17	2	243.8	191
595.64	12,972	13	83	3.82	4.6				65
652.19	26,713	21	106	2.59	2.4	12,821.78	4	517.2	189
5,188.85	277,872	73	317	5.92	1.9	2,151.93	6	108.1	443
2,550.30	147,553	66	186	3.22	1.7	1,216.92	9	66.3	406
2,273.83	51,322	34	126	5.57	4.4	1,403.70	5	69.3	169
2,634.54	116,105	47	286	4.67	2.3	1,308.29	2	36.7	297
8,719.62	532,790	138	321	5.27	1.6	5,296.24	14	240.1	693
2,144.99	80,487	42	160	4.26	2.7	948.73	7	37.8	220
2,034.67	68,823	47	122	3.61	3.0	521.63	3	28.3	228
1,799.46	67,326	48	117	3.12	2.7	2,237.57	10	108.8	239
1,963.39	112,500	55	171	2.97	1.7	826.06	7	80.3	249
4,267.51	118,897	68	146	5.23	3.6	2,023.06	8	112.3	317
4,080.84	215,187	48	374	7.08	1.9	3,467.71	8	172.6	1,106
766.33	25,267	18	117	3.55	3.0	817.66	4	39.0	79
840.90	29,289	18	136	3.89	2.9	148.09	1	5.0	199
2,195.98	72,701	39	155	4.69	3.0	664.19	4	21.9	160
4,792.15	198,481	94	176	4.25	2.4	3,339.44	10	169.4	636
3,055.59	105,113	68	129	3.74	2.9	802.99	4	31.1	319
1,162.15	72,041	29	207	3.34	1.6	621.33	2	28.5	231
798.54	26,162	19	115	3.50	3.1	243.06	1	13.0	76
5,559.57	352,297	105	280	4.41	1.6	1,796.74	8	85.2	538
775.03	21,719	12	151	5.38	3.6				66
2,492.43	85,818	72	99	2.88	2.9	1,505.95	10	86.7	330
3,930.50	151,475	51	248	6.42	2.6	728.93	1	25.0	380
2,508.68	126,500	61	173	3.43	2.0	341.04	2	18.0	438
4,078.37	135,212	65	173	5.23	3.0	763.24	8	31.9	248
1,330.31	56,944	34	140	3.26	2.3				129

## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service

## Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Chesley.....	G.B.	1,743	9,224.47	539,955	436	103	1.76	1.7
Chesterville.....	E.O.	1,061	4,980.95	351,191	269	109	1.54	1.4
Chippawa.....	Nia.	1,172	7,864.15	608,093	336	151	1.95	1.3
Clifford.....	Nia.	456	2,550.08	85,238	128	55	1.66	3.0
Clinton.....	Nia.	1,879	12,959.71	793,352	550	120	1.96	1.6
Cobden.....	E.O.	639	2,267.01	67,466	123	46	1.54	3.4
Colborne.....	E.O.	942	5,693.04	269,995	267	84	1.78	2.1
Coldwater.....	G.B.	606	3,562.54	179,842	162	93	1.83	2.0
Comber.....	Nia.	P.V.	2,139.62	82,680	112	62	1.59	2.6
Cookstown.....	G.B.	P.V.	2,334.32	58,559	109	45	1.78	4.0
Cottam.....	Nia.	P.V.	2,512.93	96,422	117	69	1.79	2.6
Courtright.....	Nia.	344	1,539.08	36,812	80	38	1.60	4.2
Creemore.....	G.B.	638	3,399.08	115,106	162	59	1.75	3.0
Dashwood.....	Nia.	P.V.	1,784.05	68,152	88	65	1.69	2.6
Delaware.....	Nia.	P.V.	1,961.47	121,250	66	153	2.48	1.6
Deseronto.....	E.O.	1,300	5,792.81	205,974	316	54	1.53	2.8
Dorchester.....	Nia.	P.V.	2,603.94	134,052	148	75	1.47	1.9
Drayton.....	Nia.	528	3,356.10	115,468	165	58	1.70	2.9
Dresden.....	Nia.	1,572	6,826.62	354,893	440	67	1.29	1.9
Drumbo.....	Nia.	P.V.	2,403.07	109,853	90	102	2.23	2.2
Dublin.....	Nia.	P.V.	1,198.32	39,360	55	60	1.82	3.0
Dundalk.....	G.B.	703	3,472.52	166,360	198	70	1.46	2.1
Durham.....	G.B.	1,854	7,046.04	409,401	469	73	1.25	1.7
Dutton.....	Nia.	843	3,323.42	206,150	227	76	1.22	1.6
East York Twp.....	Nia.	.....	209,961.99	13,573,176	10,166	111	1.72	1.5
Elmvale.....	G.B.	P.V.	3,698.68	172,371	190	76	1.62	2.1
Elmwood.....	G.B.	P.V.	1,177.94	29,763	66	38	1.49	4.0
Elora.....	Nia.	1,187	7,708.07	393,644	355	92	1.81	2.0
Embro.....	Nia.	435	3,271.35	179,029	119	125	2.29	1.8
Erieau.....	Nia.	295	4,074.75	139,988	190	61	1.79	2.9
Erie Beach.....	Nia.	21	1,726.29	34,483	87	33	1.65	5.0
Essex.....	Nia.	1,854	8,251.99	481,420	487	82	1.41	1.7
Etobicoke Twp.....	Nia.	.....	160,719.82	13,563,277	4,670	242	2.87	1.2
Exeter.....	Nia.	1,654	11,959.83	804,922	478	140	2.09	1.5
Finch.....	E.O.	347	2,216.47	140,549	98	120	1.88	1.6
Flesherton.....	G.B.	457	2,048.72	81,000	143	47	1.19	2.5
Fonthill.....	Nia.	860	5,446.16	230,501	258	74	1.76	2.4
Forest.....	Nia.	1,520	12,652.33	733,810	471	130	2.24	1.7
Glencoe.....	Nia.	726	5,331.38	213,431	220	81	2.02	2.5
Grand Valley.....	G.B.	629	3,464.12	100,385	171	49	1.69	3.5

## “D”—Continued

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1940

## VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of con-sumers
Revenue	Consumption	Number of con-sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con-sumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
5,726.29	324,575	100	270	4.77	1.8	7,284.87	22	409.3	558
3,831.97	175,571	76	193	4.20	2.2	2,114.30	3	90.4	348
2,722.08	153,237	54	236	4.20	1.8	1,159.58	2	41.0	392
2,196.10	82,702	39	177	4.69	2.7	505.27	1	18.0	168
8,280.87	405,020	151	224	4.57	2.0	5,550.65	17	281.6	718
2,680.35	67,695	54	104	4.14	4.0	386.15	1	12.0	178
3,188.66	139,911	76	153	3.50	2.3	987.87	5	54.8	348
1,360.02	49,200	47	87	2.41	2.8	1,918.23	3	76.4	212
1,985.02	72,434	47	128	3.52	2.7	1,862.89	3	71.7	162
1,545.33	38,651	32	101	4.02	4.0	889.36	3	58.2	144
1,377.12	74,412	26	238	4.41	1.8	203.82	1	15.0	144
960.81	27,126	26	87	3.08	3.5	974.76	1	12.5	107
1,606.25	66,008	56	98	2.39	2.4	1,025.60	3	71.1	221
1,196.11	28,690	26	92	3.83	4.2	781.00	3	27.5	117
828.15	28,814	15	160	4.60	2.9	.....	.....	.....	81
2,167.84	61,535	63	81	2.87	3.5	1,878.43	6	67.2	385
956.17	40,262	27	124	2.95	2.4	479.81	2	41.8	177
2,019.67	67,635	65	87	2.59	3.0	1,253.58	5	56.1	235
6,408.69	364,074	127	238	4.20	1.8	3,736.27	11	247.5	578
960.11	40,145	27	124	2.96	2.4	712.93	1	27.6	118
783.58	24,437	23	89	2.84	3.2	1,406.26	2	56.3	80
2,987.74	114,321	71	134	3.51	2.6	3,068.96	5	159.3	274
5,245.44	277,542	103	225	4.24	1.9	4,289.75	14	220.1	586
2,226.36	131,540	65	169	2.85	1.7	3,138.27	9	174.7	301
32,147.98	1,957,566	459	355	5.84	1.6	41,241.12	46	1,776.3	10,671
1,937.81	92,535	46	168	3.51	2.1	3,462.06	9	157.2	245
645.18	17,734	22	67	2.44	3.6	1,210.30	1	41.0	89
4,478.47	195,337	74	220	5.04	2.3	3,321.94	4	174.7	433
1,347.26	40,373	38	89	2.99	3.3	100.14	1	6.0	158
1,446.90	49,613	13	318	9.27	2.9	421.89	2	19.3	205
378.16	10,650	3	296	10.50	3.6	.....	.....	.....	90
7,364.34	463,635	125	309	4.91	1.6	7,067.37	19	389.6	631
27,627.40	1,899,710	287	552	8.02	1.5	27,819.69	40	1,253.5	4,997
6,981.20	335,910	122	229	4.77	2.1	3,733.92	13	250.9	613
1,749.17	63,166	34	155	4.29	2.8	312.76	1	8.6	133
1,842.32	61,761	50	103	3.07	3.0	688.15	2	34.4	195
1,862.86	80,470	34	197	4.57	2.3	510.34	3	18.0	295
6,690.90	284,366	127	187	4.39	2.4	5,198.31	20	250.6	618
4,020.08	148,679	81	153	4.14	2.7	3,432.36	9	123.8	310
2,293.32	56,639	51	93	3.75	4.0	1,542.23	4	77.8	226



## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Granton.....	Nia.	P.V.	2,062.24	108,844	89	102	1.93	1.9
Hagersville.....	Nia.	1,369	6,305.62	346,903	388	74	1.35	1.8
Harriston.....	Nia.	1,326	7,164.86	396,377	378	87	1.58	1.8
Harrow.....	Nia.	1,055	9,686.22	686,189	308	186	2.62	1.4
Hastings.....	E.O.	772	3,914.81	130,116	227	48	1.44	3.0
Havelock.....	E.O.	1,156	5,199.71	194,292	295	55	1.47	2.7
Hensall.....	Nia.	696	4,659.00	205,460	212	81	1.83	2.3
Highgate.....	Nia.	324	1,680.85	63,010	102	51	1.37	2.7
Holstein.....	G.B.	P.V.	971.48	17,609	52	28	1.56	5.5
Jarvis.....	Nia.	536	2,798.43	107,272	151	59	1.54	2.6
Kemptville.....	E.O.	1,223	7,252.43	360,823	349	86	1.73	2.0
Kirkfield.....	G.B.	P.V.	1,025.18	18,940	35	45	2.44	5.4
Lakefield.....	E.O.	1,413	6,044.43	259,958	331	66	1.52	2.3
Lambeth.....	Nia.	P.V.	3,179.61	192,741	133	121	1.99	1.6
Lanark.....	E.O.	734	2,724.96	93,535	159	49	1.43	2.9
Lancaster.....	E.O.	563	2,017.62	54,447	100	45	1.68	3.7
La Salle.....	Nia.	873	6,764.18	375,063	221	141	2.55	1.8
London Twp.....	Nia.	.....	13,238.39	1,099,204	446	205	2.47	1.2
Lucan.....	Nia.	599	4,446.62	246,093	185	111	2.00	1.8
Lucknow.....	G.B.	1,015	6,099.27	202,880	244	69	2.08	3.0
Lynden.....	Nia.	P.V.	2,264.97	96,831	95	85	1.99	2.3
Madoc.....	E.O.	1,054	4,764.49	202,829	300	56	1.32	2.3
Markdale.....	G.B.	795	3,772.67	169,710	219	65	1.44	2.2
Markham.....	Nia.	1,170	7,563.03	455,123	323	117	1.95	1.7
Marmora.....	E.O.	997	4,179.43	136,479	242	47	1.44	3.1
Martintown.....	E.O.	P.V.	677.74	25,994	49	44	1.15	2.6
Maxville.....	E.O.	760	3,368.35	102,516	151	57	1.86	3.3
Merlin.....	Nia.	P.V.	2,457.68	87,067	122	59	1.68	2.8
Mildmay.....	G.B.	756	3,555.95	180,773	173	87	1.71	2.0
Millbrook.....	E.O.	728	4,234.95	88,107	170	43	2.08	5.0
Milton.....	Nia.	1,903	13,099.01	715,844	525	114	2.08	1.8
Milverton.....	Nia.	997	5,108.09	376,735	246	128	1.73	1.4
Mitchell.....	Nia.	1,666	12,652.67	874,214	502	145	2.10	1.4
Moorefield.....	Nia.	P.V.	1,010.20	24,550	57	36	1.48	4.1
Morrisburg.....	E.O.	1,555	8,891.26	505,988	440	96	1.68	1.8
Mt. Brydges.....	Nia.	P.V.	2,657.62	144,085	146	82	1.52	1.8
Mt. Forest.....	G.B.	1,909	9,865.03	460,700	484	79	1.70	2.1
Neustadt.....	G.B.	468	2,058.15	29,774	96	26	1.79	6.9
Newbury.....	Nia.	275	1,310.77	33,676	63	45	1.73	3.9
Newcastle.....	E.O.	698	5,138.66	194,656	209	78	2.05	2.6

## "D"—Continued

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1940

## VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
1,003.53	40,850	31	110	2.70	2.5				120
5,954.04	346,653	112	258	4.43	1.7	16,688.17	14	816.8	514
5,265.27	247,458	102	202	4.30	2.1	5,917.65	14	279.7	494
5,414.04	252,056	82	256	5.50	2.1	3,190.34	7	140.5	397
2,310.62	76,387	58	110	3.32	3.0	284.01	4	20.2	289
2,979.88	79,503	62	107	4.01	3.7	2,359.16	3	87.0	360
2,391.61	76,450	60	106	3.32	3.1	2,907.56	14	148.5	286
954.51	33,630	38	74	2.09	2.8	1,120.92	6	59.2	146
720.58	16,388	22	62	2.73	4.4	260.92	2	15.0	76
1,992.32	94,371	41	192	4.06	2.1	3,255.67	3	121.4	195
4,939.60	225,232	78	241	5.28	2.2	4,627.65	5	191.5	432
1,156.05	28,202	19	124	5.07	4.1				54
4,149.83	170,754	70	203	4.94	2.4	3,785.83	6	177.9	407
1,290.50	54,180	24	171	4.48	2.4	440.09	2	27.5	159
1,557.99	58,248	40	121	3.25	2.7				199
1,554.99	42,810	32	111	4.05	3.6				132
1,491.42	59,393	15	330	8.29	2.5	270.24	2	10.5	238
2,028.56	152,072	22	576	7.68	1.3	1,608.87	5	76.0	473
2,359.95	92,064	54	142	3.64	2.6	2,058.25	7	115.4	246
4,099.69	111,246	82	113	4.17	3.7	4,673.70	7	140.4	333
884.22	32,614	20	136	3.68	2.7	753.17	2	40.2	117
4,069.92	143,350	91	131	3.73	2.8	1,371.81	5	78.2	396
2,945.80	128,180	80	134	3.07	2.3	1,951.99	9	107.5	308
3,341.61	175,619	74	198	3.76	1.9	3,167.52	9	145.7	406
2,205.18	91,386	46	166	3.99	2.4	284.47	2	26.4	290
971.09	35,068	24	122	3.37	2.8				73
2,694.07	71,737	43	139	5.22	3.8				194
2,253.33	81,112	48	178	4.06	2.8	703.11	2	24.6	172
2,472.64	91,901	53	144	3.89	2.7	936.52	3	30.7	229
2,114.51	36,185	60	50	2.93	5.8	467.01	2	13.0	232
7,047.07	364,519	113	269	5.20	1.9	22,674.07	15	925.8	653
4,073.78	174,191	75	194	4.53	2.3	3,530.52	10	246.6	331
5,980.99	330,270	127	217	3.92	1.8	5,221.54	23	308.6	652
1,210.63	38,779	30	108	3.36	3.1	38.06	1	3.0	88
5,987.67	240,209	124	161	4.02	2.5	2,607.18	14	168.9	578
1,237.08	52,930	42	105	2.45	2.3	866.63	4	42.2	192
7,581.37	407,391	138	246	4.58	1.9	5,827.67	15	300.6	637
1,050.36	19,831	27	61	3.24	5.3	390.19	1	9.3	124
667.73	20,562	14	122	3.97	3.2	324.68	1	14.2	78
2,578.44	76,216	37	172	5.81	3.4	2,032.10	3	65.7	249

## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
New Hamburg.....	Nia.	1,446	10,133.58	623,742	372	140	2.27	1.6
Niagara-on-the-Lake.....	Nia.	1,764	14,676.17	1,274,954	539	197	2.26	1.2
Nipigon.....	T.B.	V.A.	3,670.25	174,500	204	71	1.50	2.1
North York Twp.....	Nia.	.....	183,853.06	10,482,191	5,465	160	2.80	1.7
Norwich.....	Nia.	1,302	8,804.15	665,812	382	145	1.92	1.3
Norwood.....	E.O.	703	4,766.62	199,280	235	71	1.69	2.4
Oil Springs.....	Nia.	515	1,803.41	102,658	96	89	1.57	1.8
Omeme.....	E.O.	547	3,096.97	122,073	162	63	1.59	2.5
Orono.....	E.O.	P.V.	4,462.45	127,936	179	60	2.08	3.5
Otterville.....	Nia.	P.V.	2,443.39	126,845	134	79	1.52	1.9
Paisley.....	G.B.	727	4,210.14	109,650	205	45	1.71	3.8
Palmerston.....	Nia.	1,393	10,298.89	748,105	392	159	2.19	1.4
Parkhill.....	Nia.	1,022	5,871.26	216,730	298	60	1.64	2.7
Plattsville.....	Nia.	P.V.	2,588.25	110,754	114	81	1.89	2.3
Point Edward.....	Nia.	1,175	6,102.10	267,448	321	69	1.58	2.3
Port Credit.....	Nia.	1,906	16,373.28	1,444,571	555	217	2.46	1.1
Port Dalhousie.....	Nia.	1,595	16,360.83	1,363,402	596	191	2.29	1.2
Port Dover.....	Nia.	1,864	9,344.63	517,980	660	65	1.18	1.8
Port Elgin.....	G.B.	1,374	10,451.40	583,801	462	105	1.89	1.8
Port McNicoll.....	G.B.	940	4,244.37	142,728	231	51	1.53	3.0
Port Perry.....	G.B.	1,145	7,995.06	328,674	354	77	1.88	2.4
Port Rowan.....	Nia.	706	3,023.62	107,940	147	61	1.71	2.8
Port Stanley.....	Nia.	824	13,990.99	857,332	738	97	1.58	1.6
Priceville.....	G.B.	†4,500s	761.30	12,167	32	32	1.98	6.3
Princeton.....	Nia.	P.V.	2,409.23	124,927	91	114	2.21	1.9
Queenston.....	Nia.	P.V.	3,583.48	273,292	80	285	3.73	1.3
Richmond.....	E.O.	409	1,949.90	82,361	74	93	2.20	2.4
Richmond Hill.....	Nia.	1,317	9,279.88	704,439	380	154	2.04	1.3
Ridgetown.....	Nia.	1,981	9,057.22	596,550	578	86	1.31	1.5
Ripley.....	G.B.	439	3,182.77	69,404	130	44	2.04	4.6
Rockwood.....	Nia.	P.V.	4,063.67	200,560	170	98	1.99	2.0
Rodney.....	Nia.	763	3,447.35	165,665	248	56	1.16	2.1
Rosseau.....	G.B.	310	2,839.19	44,046	70	52	3.38	6.4
Russell.....	E.O.	P.V.	2,782.71	96,157	115	70	2.02	2.9
St. Clair Beach.....	Nia.	133	2,243.85	88,220	77	95	2.43	2.5
St. George.....	Nia.	*400s	3,214.29	146,709	150	82	1.79	2.2
St. Jacobs.....	Nia.	P.V.	3,909.36	289,160	135	178	2.41	1.4
Scarboro Twp.....	Nia.	.....	117,936.04	7,298,522	5,195	117	1.89	1.6
Seaforth.....	Nia.	1,771	10,669.03	634,776	508	104	1.75	1.7
Shelburne.....	G.B.	1,018	5,768.10	231,560	308	63	1.56	2.5

†Summer resort—Population in August is about 4,500.

\*Summer resort—Population in August is about 400.



## "D"—Continued

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1940

## VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
4,750.13	211,021	94	187	4.21	2.3	5,702.18	14	302.6	480
5,560.13	379,496	95	333	4.88	1.5	1,808.41	8	82.5	642
3,696.44	200,809	57	294	5.40	1.8	675.32	2	44.0	263
29,848.22	1,255,118	333	314	7.47	2.4	45,385.78	42	1,426.5	5,840
4,681.08	255,726	93	229	4.19	1.8	2,079.23	8	144.5	483
2,485.72	67,820	56	101	3.70	3.7	502.39	3	28.2	294
1,583.14	67,827	33	171	4.00	2.3	6,302.84	36	189.1	165
1,647.52	72,398	35	172	3.92	2.3	3,425.65	6	147.7	203
2,310.08	57,079	37	128	5.20	4.1	48.54	1	3.0	217
2,466.30	119,461	47	212	4.37	2.1	491.91	3	24.4	184
2,695.08	83,050	57	121	3.94	3.2	1,043.35	4	37.6	266
5,692.19	299,929	103	243	4.61	1.9	6,486.81	12	388.3	507
3,516.85	106,510	77	115	3.81	3.3	1,680.84	5	51.5	380
1,162.72	64,820	24	225	4.04	1.8	1,314.23	1	49.1	139
2,241.95	78,617	43	152	4.34	2.9	36,784.59	10	1,427.1	374
7,105.97	476,648	89	446	6.65	1.5	4,152.21	9	171.6	653
3,648.55	214,673	57	314	5.33	1.7	5,839.21	14	317.6	667
4,987.52	270,070	119	189	3.49	1.8	4,310.49	15	227.9	794
6,161.25	268,214	113	198	4.54	2.3	3,092.77	6	209.4	581
723.79	23,441	20	98	3.02	3.1	48.69	1	1.3	252
3,122.26	98,890	81	102	3.21	3.2	2,469.28	11	115.1	446
2,165.49	91,291	40	190	4.51	2.4	103.73	3	4.1	190
4,606.46	194,426	101	160	3.80	2.4	4,339.45	9	200.7	848
276.76	4,565	12	32	1.92	6.1	81.61	1	2.0	45
1,025.79	41,697	20	174	4.27	2.5	1,691.11	3	71.2	114
1,661.77	102,961	13	660	10.65	1.6	.....	.....	.....	93
1,542.39	52,249	25	174	5.14	3.0	.....	.....	.....	99
4,542.72	288,024	69	348	5.49	1.6	2,268.22	13	129.3	462
7,786.34	446,938	141	264	4.60	1.7	4,458.49	19	261.3	738
1,665.95	37,734	48	66	2.89	4.4	1,361.71	1	53.8	179
861.52	43,449	27	134	2.66	2.0	291.13	2	12.4	199
2,563.56	105,841	79	112	2.70	2.4	1,718.12	5	104.4	332
1,034.13	17,178	18	80	4.79	6.0	.....	.....	.....	88
1,603.38	405,517	32	106	4.18	4.0	.....	.....	.....	147
2,468.91	94,240	7	1,121	29.39	2.6	252.94	1	10.0	85
1,504.63	67,782	33	171	3.80	2.2	2,247.09	1	84.4	184
1,702.65	73,575	31	198	4.58	2.3	3,675.49	7	186.5	173
26,394.57	1,351,922	364	310	6.04	1.9	27,587.77	36	1,121.4	5,595
6,463.16	405,297	130	260	4.14	1.6	4,359.61	15	276.4	653
3,666.89	159,968	75	177	4.07	2.3	2,745.03	15	201.5	398

## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service

## Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Popula- tion	Domestic service					Average monthly consumption kw-hr.	Average monthly bill	Net cost per kw-hr.
			Revenue	Consumption	Number of con- sumers					
			\$ c.	kw-hr.			kw-hr.	\$ c.	cents	
Sioux Lookout.....	N.O.P.	1,933	16,142.24	298,494	509		49	2.64	5.4	
Southampton.....	G.B.	1,515	10,040.53	514,302	519		83	1.61	2.0	
Springfield.....	Nia.	395	1,823.81	64,734	107		50	1.42	2.8	
Stamford Twp.....	Nia.	.....	59,992.02	4,896,503	1,962		208	2.55	1.2	
Stayner.....	G.B.	1,013	5,091.66	262,832	280		78	1.52	1.9	
Stirling.....	E.O.	981	5,292.42	360,298	281		107	1.57	1.5	
Stouffville.....	Nia.	1,192	7,048.10	370,350	388		80	1.51	1.9	
Streetsville.....	Nia.	697	4,675.71	319,684	184		145	2.12	1.5	
Sunderland.....	G.B.	P.V.	2,860.41	89,956	118		64	2.02	3.2	
Sutton.....	Nia.	853	8,699.02	327,480	447		61	1.62	2.7	
Tara.....	G.B.	483	3,232.07	98,915	149		55	1.81	3.3	
Tavistock.....	Nia.	1,080	7,911.45	587,635	296		165	2.23	1.3	
Teeswater.....	G.B.	840	5,167.45	152,852	224		57	1.92	3.4	
Thamesford.....	Nia.	P.V.	3,263.47	236,685	136		145	2.00	1.4	
Thamesville.....	Nia.	826	3,794.56	204,110	246		69	1.29	1.9	
Thedford.....	Nia.	648	3,070.89	88,710	153		48	1.67	3.5	
Thorndale.....	Nia.	P.V.	1,743.23	57,064	75		63	1.94	3.1	
Thornton.....	G.B.	P.V.	1,540.31	23,701	65		30	1.97	6.5	
Tilbury.....	Nia.	1,989	6,900.43	433,644	464		78	1.24	1.6	
Toronto Twp.....	Nia.	.....	71,104.62	5,366,099	2,441		183	2.43	1.3	
Tottenham.....	G.B.	532	3,656.61	100,347	123		68	2.48	3.6	
Trafalgar Twp. No. 1.....	Nia.	.....	15,261.10	826,233	374		184	3.40	1.8	
Trafalgar Twp. No. 2.....	Nia.	.....	4,385.54	171,746	126		114	2.90	2.6	
Tweed.....	E.O.	1,246	6,142.26	238,341	306		65	1.67	2.6	
Uxbridge.....	G.B.	1,535	8,827.05	417,330	405		86	1.82	2.1	
Victoria Harbour.....	G.B.	979	3,796.73	172,010	229		63	1.38	2.2	
Wardsville.....	Nia.	233	1,433.81	38,147	59		54	2.03	3.6	
Warkworth.....	E.O.	P.V.	2,187.08	59,919	134		37	1.36	3.7	
Waterdown.....	Nia.	892	4,914.86	319,450	256		104	1.60	1.5	
Waterford.....	Nia.	1,284	6,271.99	383,094	364		88	1.44	1.6	
Watford.....	Nia.	970	7,471.47	377,120	295		107	2.11	2.0	
Waubashene.....	G.B.	P.V.	3,516.51	162,778	226		60	1.30	2.2	
Wellesley.....	Nia.	P.V.	2,398.23	101,461	131		65	1.53	2.4	
Wellington.....	E.O.	934	5,958.55	276,475	329		70	1.51	2.2	
West Lorne.....	Nia.	783	3,217.76	159,587	221		60	1.21	2.0	
Westport.....	E.O.	710	3,599.06	97,287	129		63	2.32	3.7	
Wheatley.....	Nia.	770	3,886.41	156,499	228		57	1.42	2.5	
Wiarton.....	G.B.	1,760	7,410.55	287,790	409		59	1.51	2.6	
Williamsburg.....	E.O.	P.V.	1,904.26	155,780	96		135	1.65	1.2	
Winchester.....	E.O.	1,059	6,361.89	431,227	292		123	1.82	1.5	
Windermere.....	G.B.	118	2,499.83	45,230	60		63	3.47	5.5	
Woodbridge.....	Nia.	914	7,499.40	470,858	295		133	2.12	1.6	
Woodville.....	G.B.	425	2,209.24	89,270	108		69	1.70	2.5	
Wyoming.....	Nia.	530	2,494.94	92,000	156		49	1.33	2.7	
Zurich.....	Nia.	P.V.	3,294.38	119,058	140		71	1.96	2.8	

# “D”—Concluded

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1940

## VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
13,412.08	261,962	115	190	9.72	5.1	656.38	2	29.8	626
4,659.32	189,961	96	165	4.04	2.5	4,456.70	12	187.2	627
829.71	23,946	34	59	2.03	3.5	793.11	3	42.9	144
12,035.72	801,617	161	415	6.23	1.5	15,252.52	18	895.8	2,141
3,695.04	174,086	93	156	3.31	2.1	2,114.84	15	179.0	388
3,815.75	170,833	78	183	4.08	2.2	1,568.82	12	87.2	371
3,727.54	163,069	90	151	3.45	2.3	942.38	5	56.8	483
1,834.77	121,379	48	211	3.19	1.5	3,256.61	6	123.0	238
1,574.90	50,334	43	98	3.05	3.1	229.53	2	12.8	163
4,051.20	135,590	80	141	4.22	3.0	1,037.93	3	34.8	530
1,640.13	58,611	38	129	3.60	2.8	1,327.14	5	48.5	192
3,806.92	152,447	96	132	3.30	2.5	9,165.91	9	382.7	401
2,818.78	69,503	54	107	4.35	4.1	1,208.68	4	88.0	282
1,724.39	95,847	40	199	3.59	1.8	1,696.93	7	90.5	183
3,215.84	194,651	77	211	3.48	1.7	1,825.72	7	88.4	330
2,525.15	69,291	49	118	4.29	3.6	925.05	3	31.7	205
819.61	25,071	23	91	2.97	3.3	1,112.39	2	35.8	100
503.30	12,982	14	77	3.00	3.9	327.96	2	16.4	81
8,879.75	652,060	132	412	5.61	1.4	10,341.52	12	733.4	608
21,698.56	837,415	175	399	10.33	2.6	8,644.91	39	447.0	2,655
1,844.44	35,584	46	64	3.34	5.2	587.48	7	21.5	176
706.94	24,700	4	515	14.73	2.9	612.46	9	27.0	387
827.89	45,578	18	211	3.83	1.8	89.62	1	5.0	145
5,185.74	196,134	86	190	5.02	2.6	3,183.92	14	131.0	406
4,965.65	157,805	101	130	4.10	3.1	2,083.25	10	106.9	516
540.91	30,423	14	181	3.22	1.8	94.50	1	3.0	244
1,043.21	23,906	24	83	3.62	4.3	45.63	1	3.0	84
1,330.20	45,211	45	84	2.46	2.9	.....	.....	.....	179
1,639.98	96,805	34	237	4.02	1.7	1,391.62	7	90.7	297
3,031.33	198,920	80	207	3.16	1.5	5,816.23	14	402.8	458
3,249.04	164,500	77	152	3.52	2.0	3,997.79	6	145.9	378
558.16	28,178	17	138	2.74	2.0	253.88	3	9.5	246
1,620.24	49,244	49	84	2.76	3.3	1,343.74	4	61.7	184
2,633.49	110,508	67	137	3.28	2.4	1,038.89	5	45.3	401
2,202.30	102,196	57	149	3.22	2.2	2,524.53	6	128.6	284
3,094.80	91,981	49	156	5.26	3.4	.....	.....	.....	178
3,267.73	129,307	70	154	3.89	2.5	3,020.96	6	120.7	304
7,898.07	311,874	114	228	5.77	2.5	4,174.18	16	174.0	539
2,970.23	148,500	47	263	5.27	2.0	137.61	1	12.5	144
4,351.34	227,611	87	218	4.17	1.9	1,674.92	3	69.7	382
1,111.55	29,596	15	164	6.18	3.8	133.70	1	7.5	76
2,166.44	105,720	48	184	3.76	2.0	9,726.02	7	442.4	350
1,159.90	36,005	28	107	3.45	3.2	604.48	2	36.9	138
1,512.13	43,050	51	70	2.47	3.5	261.23	3	17.0	210
2,755.49	73,796	41	150	5.60	3.7	.....	.....	.....	181



## STATEMENT "E"

### Cost of Power to Municipalities and Rates to Consumers for Domestic Service—Commercial Light Service—Power Service in Ontario Urban Municipalities Served by The Hydro-Electric Power Commission for the year 1940

In Statement "E" are presented the rate schedules applicable to consumers for domestic service, for commercial light service and for power service in each of the co-operating municipalities receiving service at cost through The Hydro-Electric Power Commission.\* The cost per horsepower of the power supplied at wholesale by the Commission to the municipality, an important factor in determining rates to consumers, is also stated.

#### Cost of Power to Municipalities

The figures in the first column represent the total cost for the year of the power supplied by the Commission to the municipality, divided by the number of horsepower supplied. Details respecting these costs are given in the "Cost of Power" tables relating to the several systems, as presented in Section IX, and an explanation of the items making up the cost of power is given in the introduction to that Section.

#### Rates to Consumers

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall at all times be subject to the approval and control of the Commission,"† in accordance with the Act and in pursuance of its fundamental principle of providing service at cost, the Commission requires that accurate cost records be kept in each municipality, and exercises a continuous supervision over the rates charged to consumers.

At the commencement of its operations, the Commission introduced scientifically-designed rate schedules for each of the three main classes into which the electrical service is usually divided, namely: residential or domestic service, commercial light service, and power service, and the schedules in use during the past year are presented in the tables of this statement.

\*Except townships served as parts of rural power districts, for which consult latter part of Section III.

†R.S.O. 1937, Ch. 62, Sec. 89.

*Domestic Service:* Domestic rates apply to electrical service in residences, for all household purposes, including lighting, cooking and the operation of all domestic appliances.

During the past few years most of the urban municipal utilities have further simplified the domestic rate structure by abolishing the service charge, and making a suitable adjustment in the first consumption rate. Where the service charge is retained at 33 and 66 cents gross per month the charge of 33 cents per month per service is made when the permanently installed appliance load is under 2,000 watts, and the charge of 66 cents per month when 2,000 watts or more.

*Commercial Light Service:* Electrical energy used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding-houses, and in all other premises for commercial purposes, including sign and display lighting, is billed at commercial lighting rates.

*Water-Heater Service:* For all consumers using continuous electric water heaters, low flat rates are available consisting of a fixed charge per month dependent on the capacity of the heating element and the cost of power to the municipal utility. Such heaters are so connected that the electrical energy they consume is not metered. For new installations the necessary equipment, including heater, thermostat, efficient insulation for water-storage tank, and wiring, is installed by a large number of municipal Hydro systems, without capital cost to the consumer.†

*Power Service:* The rate schedules given for power service in Statement "E" are those governing the supply of power at retail by each of the local municipal utilities. The Commission serves direct, certain large power consumers under special contracts, on behalf of the various systems of municipalities.

The rates for power service, as given in the tables, are the rates for 24-hour unrestricted power at secondary distribution voltage. For service at primary distribution voltage the rates are usually five per cent lower than those stated. In municipalities where load conditions and other circumstances permit, lower rates are available for "restricted power," discounts additional to those listed in the table being applicable.

The service charge relates to the connected load or to the maximum demand, as measured by a 10-minute average peak, where a demand meter is installed. The prompt payment discount of 10 per cent on the total monthly bill is given for settlement within 10 days.

Under the tabulation of rates for power service there is a column headed "Basis of rate 130 hours' monthly use of demand." This column shows approximately the net annual amount payable for a demand of one horse-power, assuming a monthly use of 130 hours, which includes 30 hours' use each month at the third energy rate. Broadly, the figures in this column serve to indicate approximately the relative cost of power service in the different municipalities listed.

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†In addition, the municipal Hydro systems supply booster water-heating equipment to furnish extra requirements beyond the capacity of the continuous heater; current for the booster heater is measured and charged for at the regular rates.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1940, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month*	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
Acton.....	\$ c.	cents		cents	cents	\$ c.	%
Agincourt.....	27.67	....	60	2.5	1.0	0.83	10
Ailsa Craig.....	29.72	....	60	3.4	1.1	1.11	10
Alexandria.....T	39.43	....	60	2.8	0.9	0.83	10
Alliston.....T	48.11	....	60	5.0	1.2	1.11	10
	44.30	....	40	5.3	1.3	1.39	10
Alvinston.....	48.56	....	60	4.7	1.2	1.38	10
Amherstburg.....T	32.53	....	60	3.4	0.9	0.83	10
Ancaster Twp.....	25.63	....	60	3.8	1.3	0.83	10
AppleHill.....	41.39	....	60	5.0	1.3	1.66	10
Arkona.....	51.92	....	60	5.0	1.8	1.78	10
Arnprior.....T	26.61	....	55	4.2	1.0	0.83	10
Arthur.....	59.27	33-66	40	4.8	1.5	1.67	10
Athens.....	41.72	33-66	50	4.5	1.5	1.11	10
Aylmer.....T	27.98	....	60	2.3	0.8	0.83	10
Ayr.....	29.69	....	60	3.4	1.1	1.11	10
Baden.....	27.33	....	60	2.5	1.0	0.83	10
Barrie.....T	31.60	....	60	2.7	1.0	0.83	10
Bath.....	46.45	33-66	40	6.0	1.5	2.78	10
Beachville.....	28.24	....	60	3.1	1.1	0.83	10
Beamsville.....	24.69	....	60	3.3	1.0	0.83	10
Beaverton.....	37.84	....	60	2.8	1.0	1.1	10
Beeton.....	62.00	....	40	5.5	1.8	1.67	10
Belle River.....	31.37	....	60	3.6	1.0	1.11	10
Belleville.....C	24.94	....	55	1.9	0.7	0.83	10
Blenheim.....T	30.08	....	60	2.5	0.9	0.83	10
Bloomfield.....	41.12	....	50	3.4	1.3	1.11	10
Blyth.....	38.71	....	60	3.5	1.1	1.39	10
Bolton.....	33.57	....	55	3.5	1.1	1.11	10
Bothwell.....T	34.08	....	60	2.4	0.8	0.83	10
Bowmanville.....T	29.95	....	60	3.5	1.0	0.83	10
Bradford.....	47.15	....	40	5.2	1.3	1.67	10
Brampton.....T	24.86	....	60	2.3	1.0	0.83	10
Brantford.....C	24.10	....	60	2.3	0.9	0.83	10
Brantford Twp.....	27.60	....	60	2.7	1.0	1.11	10
Brechin.....	46.41	....	45	5.5	1.2	1.67	10
Bridgeport.....	29.63	....	50	4.5	1.3	1.11	10
Brigden.....	43.25	....	60	3.6	0.9	1.39	10
Brighton.....	29.93	....	60	4.2	1.2	1.11	10
Brockville.....T	26.39	....	60	1.8	0.8	0.83	10
Brussels.....	37.42	....	50	3.8	1.1	1.39	10

\*Where domestic service charge has not been abolished the charge is 33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when 2,000 watts or more.



“E”

# Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	1.8	0.5	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.0	0.6	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.2	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	4.2	0.8	1.66	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	4.3	1.0	1.39	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	4.3	1.0	1.38	10	53.00	1.00	6.2	4.1	0.33	.....	..	10
5.0	2.5	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.0	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	5.0	1.0	1.66	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	5.0	1.0	1.78	10	53.00	1.00	6.2	4.1	0.33	.....	..	10
5.0	4.2	1.0	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	5.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	4.5	1.0	1.11	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	1.9	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.5	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.2	0.7	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.1	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	6.0	1.0	2.78	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.6	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.0	0.6	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.0	0.8	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	5.5	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.7	0.6	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
4.5	1.6	0.35	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.0	1.0	1.11	10	38.00	1.00	4.0	2.6	0.33	.....	..	10
5.0	3.4	1.0	1.39	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	4.4	1.0	1.67	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	1.8	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
†5.0	1.6	0.35	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.2	0.5	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	4.8	0.8	1.67	10	38.00	1.00	4.0	2.6	0.33	.....	..	10
5.0	4.0	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	3.0	0.9	1.39	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	3.6	0.8	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
4.5	1.6	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	3.3	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10

†Min. 500 watts.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1940, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
Burford.....	\$ c.	cents		cents	cents	\$ c.	%
Burgessville.....	27.88	....	60	2.9	0.9	0.83	10
Caledonia.....	39.78	....	60	5.0	1.5	1.39	10
Campbellville.....	27.77	....	60	2.5	0.8	0.83	10
Cannington.....	48.51	....	45	5.0	1.5	1.67	10
	38.46	....	55	3.6	1.5	1.11	10
Cardinal.....	27.60	....	55	2.5	1.1	1.11	10
Carleton Place..... T	26.08	....	55	2.8	1.0	0.83	10
Cayuga.....	35.82	....	60	3.8	1.1	1.39	10
Chatham..... C	25.59	....	60	3.0	0.9	0.83	10
Chatsworth.....	38.78	....	45	3.5	1.2	1.39	10
Chesley..... T	35.16	....	55	2.9	1.1	1.11	10
Chesterville.....	32.17	....	55	2.3	1.0	0.83	10
Chippawa.....	19.77	....	60	2.8	0.9	1.11	10
Clifford.....	42.13	....	55	3.5	1.2	1.39	10
Clinton..... T	29.84	....	60	2.8	1.1	1.11	10
Cobden.....	46.58	....	30	4.0	1.0	1.39	10
Cobourg..... T	29.73	....	55	3.4	1.1	0.83	10
Colborne.....	33.27	....	60	4.0	1.1	0.83	10
Coldwater.....	36.30	33-66	55	2.5	1.0	1.11	10
Collingwood..... T	33.90	....	55	2.8	1.0	0.83	10
Comber.....	38.30	....	60	3.6	0.9	1.11	10
Cookstown.....	42.11	....	40	5.2	1.2	1.67	10
Cottam.....	36.67	....	60	3.6	1.0	1.39	10
Courtright.....	56.76	....	55	4.0	1.2	1.39	10
Creemore.....	42.48	....	45	3.8	1.0	1.39	10
Dashwood.....	34.96	....	60	4.2	1.0	1.11	10
Delaware.....	29.97	....	60	3.5	1.2	1.11	10
Delhi.....	29.69	....	60	3.6	1.0	0.83	10
Deseronto..... T	41.68	....	50	4.8	1.2	0.83	10
Dorchester.....	32.04	....	60	3.0	1.1	0.83	10
Drayton.....	43.49	....	55	4.0	1.3	1.11	10
Dresden..... T	32.36	....	60	2.6	0.8	0.83	10
Drumbo.....	31.65	....	60	3.8	1.1	1.11	10
Dublin.....	43.11	....	60	3.5	1.2	1.11	10
Dundalk.....	35.88	....	55	3.0	1.0	1.11	10
Dundas..... T	22.75	....	60	2.5	0.9	0.83	10
Dunnville..... T	22.51	....	60	2.4	0.8	0.83	10
Durham..... T	38.74	....	55	2.5	1.0	0.83	10
Dutton.....	31.98	....	60	2.1	0.8	0.83	10
East York Twp.....	26.44	....	60	2.5	1.1	0.83	10
Elmira..... T	27.70	....	60	3.4	1.0	0.83	10
Elmvale.....	37.51	....	55	3.4	1.2	0.83	10
Elmwood.....	40.07	....	45	4.0	1.0	1.39	10
Elora.....	29.37	....	60	3.1	1.2	1.11	10
Embryo.....	32.48	....	60	3.4	1.2	1.39	10

## "E"—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	2.0	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	4.5	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	5.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.8	1.0	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	2.3	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.2	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	25
5.0	3.5	1.0	1.39	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.3	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.0	1.0	1.39	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.4	0.8	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.3	1.0	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.0	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.5	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.4	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	4.0	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.7	0.9	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	3.0	1.0	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.5	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.3	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	25
5.0	2.9	0.9	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	4.5	1.0	1.67	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.8	0.9	1.39	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	4.0	1.0	1.39	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	3.0	0.9	1.39	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	3.9	0.9	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.8	0.9	0.83	10	36.00	1.00	3.7	2.4	0.33	.....	..	10
5.0	3.8	1.0	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.2	1.0	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	3.4	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.0	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	3.5	1.0	1.11	10	36.00	1.00	3.7	2.4	0.33	.....	..	10
5.0	2.5	0.8	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	1.9	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.1	0.8	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	1.8	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.8	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.4	1.0	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	3.2	0.8	1.39	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	2.8	0.7	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.8	0.8	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	..	10



# STATEMENT

## Cost of Power to Municipalities and Rates to Consumers for the Year 1940, in Urban Municipalities

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
Erieau.....	\$ c. 37.72	cents	60	cents 3.8	cents 1.1	\$ c. 1.39	% 10
Erie Beach.....	44.98	....	60	5.3	1.5	1.67	10
Essex.....T	29.74	....	60	2.5	0.9	0.83	10
Etobicoke Twp.....	23.97	....	60	2.7	1.1	0.83	10
Exeter.....	29.88	....	60	3.0	0.9	0.83	10
Fergus.....	28.45	....	55	3.3	1.3	1.11	10
Finch.....	38.66	....	45	3.0	1.2	1.39	10
Flesherton.....	43.78	....	55	3.0	1.0	1.11	10
Fonthill.....	27.76	....	60	3.0	1.1	1.11	10
Forest.....T	35.89	....	60	3.5	0.9	1.11	10
Forest Hill.....	24.44	33-66	60	2.0	1.3	0.83	10
Fort William.....C	21.07	....	60	2.1	0.9	0.83	10
Galt.....C	24.01	....	60	2.8	0.8	0.83	10
Gamebridge.....		....	45	5.5	1.2	1.67	10
Georgetown.....T	28.97	....	60	3.0	0.9	0.83	10
Glencoe.....	41.02	....	60	4.0	0.9	1.11	10
Glen Williams.....		33-66	60	2.7	1.1	0.83	10
Goderich.....T	32.60	....	55	3.3	1.0	0.83	10
Grand Valley.....	50.61	....	45	5.0	1.2	1.39	10
Granton.....	37.60	....	60	3.3	1.2	1.11	10
Gravenhurst.....T	25.07	....	55	2.2	0.9	0.83	10
Guelph.....C	23.97	....	60	2.0	0.8	0.83	10
Hagersville.....	29.42	....	60	2.5	1.0	0.83	10
Hamilton.....C	21.94	....	60	2.4	0.8	0.83	10
Hanover.....T	32.32	....	60	2.8	1.3	0.83	10
Harriston.....T	33.59	....	55	3.0	1.0	1.11	10
Harrow.....T	33.01	....	60	3.3	1.0	0.83	10
Hastings.....	37.08	....	45	4.2	1.2	1.11	10
Havelock.....	42.85	....	50	4.2	1.2	0.83	10
Hensall.....	37.58	....	60	3.5	1.1	1.11	10
Hespeler.....T	23.98	....	60	3.0	0.9	0.83	10
Highgate.....	36.91	....	60	3.2	0.9	1.11	10
Holstein.....	77.04	....	40	5.5	1.3	1.67	10
Humberstone.....	24.27	....	60	2.6	0.8	0.83	10
Huntsville.....T	29.19	....	60	2.0	0.9	0.83	10
Ingersoll.....T	24.97	....	60	2.4	0.9	0.83	10
Iroquois.....	27.29	33	60	3.0	†2.0	0.83	10
Jarvis.....	35.27	....	60	3.4	††1.0	1.11	10
Kemptville.....	31.57	....	55	3.5	1.2	0.83	10
Kincardine.....T	40.39	....	40	4.5	1.3	1.11	10
Kingston.....C	26.98	....	50	2.2	0.8	0.83	10
Kingsville.....T	31.27	....	60	2.8	0.9	0.83	10
Kirkfield.....	55.65	33-66	40	5.5	1.5	2.22	10
Kitchener.....C	23.45	....	60	2.3	1.0	0.83	10
Lakefield.....	35.56	....	50	3.6	1.2	0.83	10

†Next 60 kw-hrs.

††All additional.

“E”—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	3.6	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	2.22	..	10
5.0	5.0	1.0	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.2	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.6	0.7	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.8	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.5	0.8	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.6	0.6	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	3.0	0.6	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	..	10
5.0	2.0	0.4	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.3	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	4.8	0.8	1.67	10	38.00	1.00	4.0	2.6	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.1	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.8	0.75	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.7	0.6	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	4.3	1.0	1.39	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	2.6	1.0	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	1.6	0.3	0.83	10	14.00	1.00	1.1	0.7	0.33	.....	25	10
5.0	2.0	0.75	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
†5.0	1.6	0.35	0.83	10	16.00	1.00	1.5	0.9	0.25	.....	25	10
5.0	2.3	0.8	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.6	0.7	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.8	1.0	1.11	10	37.00	1.00	3.8	2.5	0.33	.....	..	10
5.0	3.8	1.0	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.1	1.0	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.2	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.8	0.7	1.11	10	29.00	1.00	2.6	1.7	0.33	.....	..	10
5.0	5.0	0.8	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	1.8	0.7	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	1.9	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
a3.3	b5.0	c3.0	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.6	d1.0	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.8	1.0	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	3.5	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	1.6	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	1.9	0.6	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	5.5	1.0	2.22	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.8	1.0	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10

†Min. 500 watts.

aPer month.

bFirst 60 hours per month per kw-hr.

cNext 60 hours' use per month per kw. hr.

dAll additional.

†Next 360 hours' use. ††All additional.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1940, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
Lambeth.....	31.48	....	60	3.0	1.0	1.11	10
Lanark.....	37.24	....	50	4.2	1.3	0.83	10
Lancaster.....	49.77	....	60	4.0	1.2	1.11	10
La Salle.....T	33.01	....	60	3.8	1.2	1.11	10
Leamington.....T	30.95	....	60	2.3	0.8	0.83	10
Leaside.....T	.....	a3	..	b1.8	1.0	0.83	10
Lindsay.....T	31.53	....	60	2.5	0.9	0.83	10
Listowel.....T	29.35	....	55	2.7	1.0	0.83	10
London.....C	23.54	....	60	2.4	0.9	0.83	10
London Twp.....	27.09	....	60	2.8	0.9	1.11	10
Long Branch.....	24.32	....	60	2.5	1.1	0.83	10
Lucan.....	29.27	....	60	3.4	1.1	1.11	10
Lucknow.....	47.26	....	45	4.3	1.3	1.67	10
Lynden.....	29.73	....	60	3.4	1.1	1.39	10
Madoc.....	43.85	....	50	3.2	1.2	0.83	10
Markdale.....	35.78	....	55	3.1	1.1	1.11	10
Markham.....	30.07	....	60	3.0	1.0	0.83	10
Marmora.....	35.32	....	60	4.0	1.0	1.11	10
Martintown.....	35.90	....	50	3.0	1.0	1.11	10
Maxville.....	44.04	....	55	4.5	1.2	1.11	10
Meaford.....T	36.89	....	60	3.0	1.1	0.83	10
Merlin.....	35.11	....	60	3.8	1.0	1.11	10
Merritton.....T	20.48	....	60	2.4	0.9	0.83	10
Midland.....T	31.46	....	60	2.5	1.0	0.83	10
Mildmay.....	40.88	....	40	3.6	1.0	1.39	10
Millbrook.....	38.34	33	60	5.5	1.5	0.83	10
Milton.....T	27.04	....	60	3.3	1.1	0.83	10
Milverton.....	29.29	....	60	2.7	1.0	0.90	10
Mimico.....T	22.91	....	60	2.7	1.1	0.83	10
Mitchell.....T	27.59	....	60	2.9	1.1	0.83	10
Moorefield.....	47.89	....	50	4.2	1.2	1.39	10
Morrisburg.....	31.57	....	60	3.0	1.0	0.83	10
Mount Brydges.....	33.50	....	60	2.8	0.9	1.11	10
Mount Forest.....T	40.82	....	60	3.0	1.25	0.83	10
Napanee.....T	28.88	....	50	3.5	1.2	0.83	10
Neustadt.....	46.10	....	60	6.0	1.5	1.67	10
Newbury.....	39.74	....	55	5.0	1.2	1.38	10
Newcastle.....	31.69	....	60	4.8	1.2	1.11	10
New Hamburg.....	27.31	....	60	3.3	1.1	0.83	10
New Toronto.....T	24.82	....	60	2.4	1.0	0.83	10

aService charge per 100 sq. ft. floor area.

bFirst 3 kw-hrs. per 100 sq. ft.



## "E"—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	2.6	0.8	1.11	10	29.00	1.00	2.6	1.7	0.33	.....	..	10
5.0	3.7	1.0	0.83	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	4.2	1.0	1.11	10	56.00	1.00	6.6	4.4	0.33	.....	..	10
5.0	3.3	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	1.8	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
...	c3.0					e1.10			f1/3			
5.0	d1.0	1/3	0.83	10	.....	0.90	2.0	1.0	1/6	.....	25	10
5.0	2.2	0.7	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.3	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.2	0.6	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	3.0	0.6	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	3.8	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.0	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	3.0	0.9	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.3	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	3.6	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.0	1.0	1.66	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	4.5	1.0	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	2.4	0.8	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	3.2	0.9	1.11	10	30.00	1.00	2.8	1.8	0.33	2.22	..	10
5.0	1.7	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.0	0.9	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.8	0.8	1.39	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	5.5	1.5	0.83	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.6	0.6	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.5	0.7	0.90	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.4	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.8	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.0	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.2	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.4	0.9	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.8	0.75	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	5.0	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	4.5	1.0	1.38	10	47.00	1.00	5.2	3.5	0.33	.....	..	10
5.0	4.3	1.2	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.4	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10

cFirst 90 hours' use. dSecond 90 hours' use.

eFirst 7.5 kilowatts \$1.10 per kilowatt. All additional, 90 cents per kilowatt.

f1/3 cent per kw-hr. next 300 hours. All additional 1/6 cent per kw. hr.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1940, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
Niagara Falls.....C	17.28	....	60	2.2	0.8	0.83	10
Niagara-on-the-Lake T	20.16	....	60	2.6	1.0	0.83	10
Nipigon Twp.....	23.89	....	60	3.0	1.0	1.11	10
North York Twp.....	26.53	....	55	4.0	1.3	1.11	10
Norwich.....	28.09	....	60	2.8	0.9	0.83	10
Norwood.....	32.05	....	50	4.0	1.2	1.11	10
Oil Springs.....	34.20	....	60	2.6	0.9	1.11	10
Omeme.....	32.62	....	60	3.5	1.3	0.83	10
Orangeville.....T	42.29	....	55	3.0	1.0	1.11	10
Orono.....	36.44	....	60	5.5	2.0	1.11	10
Oshawa.....C	29.34	....	50	3.8	1.1	0.83	10
Ottawa.....C	14.92	33-66	{60 60}	{2.0 1.0}	0.5	0.83	10
Otterville.....	31.93	....	60	2.8	0.9	1.11	10
Owen Sound.....C	32.34	....	60	2.1	0.8	0.83	10
Paisley.....	45.24	....	45	5.0	1.0	1.39	10
Palmerston.....T	31.56	....	60	2.7	1.1	1.11	10
Paris.....T	24.34	....	60	2.3	0.9	0.83	10
Parkhill.....T	47.15	....	60	4.0	1.0	1.11	10
Penetanguishene.....T	34.02	....	55	3.2	1.1	0.83	10
Perth.....T	26.19	....	55	2.8	1.0	0.83	10
Peterborough.....C	25.64	....	55	2.7	1.2	0.83	10
Petrolia.....T	31.78	....	60	2.7	0.8	0.83	10
Pictou.....T	35.21	....	60	2.8	1.0	0.83	10
Plattsville.....	36.74	....	60	3.8	1.1	1.11	10
Point Edward.....	30.75	....	60	3.2	1.0	0.83	10
Port Arthur.....C	20.73	....	50	2.0	0.8	0.83	10 & 10
Port Colborne.....T	24.12	....	60	3.0	1.0	0.83	10
Port Credit.....	26.98	....	60	2.5	1.0	0.83	10
Port Dalhousie.....	24.03	....	60	2.6	1.0	0.83	10
Port Dover.....	30.14	....	60	2.5	0.9	0.83	10
Port Elgin.....	39.09	33-66	40	2.5	1.2	1.11	10
Port Hope.....T	29.74	....	60	2.4	0.9	0.83	10
Port McNicoll.....	37.37	....	50	4.0	1.5	0.83	10
Port Perry.....	42.56	....	50	4.0	1.2	1.11	10
Port Rowan.....	34.76	....	60	3.2	1.1	1.39	10
Port Stanley.....	30.99	....	60	3.1	1.0	0.83	10
Prescott.....T	26.74	....	60	2.5	1.1	0.83	10
Preston.....T	23.65	....	60	2.6	0.8	0.83	10
Priceville.....	56.81	33-66	60	6.0	1.5	1.67	10
Princeton.....	39.18	....	60	3.3	1.2	1.67	10

## “E”—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	1.6	0.35	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	2.2	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.4	0.8	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	3.3	0.7	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.2	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	3.6	1.0	1.11	10	38.00	1.00	4.0	2.6	0.33	.....	..	10
5.0	2.4	0.6	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	3.5	1.0	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.0	0.8	1.11	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	5.5	1.5	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.8	0.8	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
..	†5.0)											
..	†2.2)	0.5	0.83	10	18.00	1.00	1.8	1.2	0.15	.....	15& 10	10
5.0	2.5	0.6	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	1.8	0.7	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	4.4	1.0	1.39	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	2.2	0.9	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	3.8	0.9	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.8	0.8	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.3	0.9	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.1	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.0	0.8	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	3.2	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	2.00	..	10
5.0	2.4	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	1.8	0.3	0.83	10 & 10	17.00	1.00	1.7	1.1	†0.33 } 0.133 }	.....	25	10
5.0	2.5	0.6	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.0	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.1	0.8	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.5	0.8	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.2	0.6	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.5	1.0	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.2	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	3.0	0.9	1.39	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.4	0.6	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.2	1.0	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.1	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	6.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.0	1.0	1.67	10	26.00	1.00	2.2	1.4	0.33	.....	..	10

†First 30 hours' use per kw. hr.

††Next 70 hours' use per kw. hr.

‡0.33 cents per kw-hr. for next 360 hours' use plus 0.133 cents per kw-hr. for all additional.



# STATEMENT

## Cost of Power to Municipalities and Rates to Consumers for for the Year 1940, in Urban Municipalities

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
Queenston.....	\$ c. 21.42	cents ....	60	cents 3.0	cents 1.3	\$ c. 1.11	% 10
Richmond.....	41.38	....	35	5.0	1.5	1.67	10
Richmond Hill.....	28.38	33-66	60	2.0	0.8	0.83	10
Ridgetown..... T	30.55	....	60	2.3	0.8	0.83	10
Ripley.....	57.15	....	55	6.0	1.5	1.67	10
Riverside..... T	30.00	....	60	3.7	1.1	0.83	10
Rockwood.....	31.68	....	60	3.3	1.1	1.11	10
Rodney.....	38.37	....	60	2.6	0.8	0.83	10
Rosseau.....	77.19	‡33	60	6.0	2.0	‡2.22	10
Russell.....	45.91	....	55	4.8	1.2	1.39	10
St. Catharines..... C	20.50	....	45-60	2.3	0.9	0.83	10
St. Clair Beach.....	39.79	....	60	4.2	1.3	1.67	10
St. George.....	34.84	....	60	3.2	1.1	1.11	10
St. Jacobs.....	26.89	....	60	2.8	1.0	0.83	10
St. Marys..... T	29.34	....	60	3.1	1.0	0.83	10
St. Thomas..... C	24.12	....	60	2.4	0.8	0.83	10
Sarnia..... C	27.74	....	60	2.5	0.8	0.83	10
Scarboro Twp.....	25.49	....	60	2.8	1.0	0.83	10
Seaforth..... T	28.74	....	60	2.9	1.1	0.83	10
Shelburne.....	41.04	....	50	3.8	1.0	1.11	10
Simcoe..... T	25.45	....	60	2.2	0.8	0.83	10
Smiths Falls..... T	24.46	....	55	3.0	1.0	0.83	10
Smithville.....	....	....	60	3.8	1.3	1.11	10
Southampton..... T	38.59	....	40	3.6	1.2	1.11	10
Springfield.....	37.76	....	60	3.6	1.1	1.11	10
Stamford Twp.....	17.50	....	60	3.0	1.0	0.83	10
Stayner..... T	36.74	....	55	3.0	1.1	0.83	10
Stirling.....	26.41	....	60	2.5	1.0	0.83	10
Stouffville.....	33.50	....	60	2.8	1.0	0.83	10
Stratford..... C	25.15	....	60	2.8	0.9	0.83	10
Strathroy..... T	27.73	....	60	2.6	0.8	0.83	10
Streetsville.....	27.81	....	55	3.5	1.0	0.83	10
Sunderland.....	46.89	....	45	4.7	1.2	1.39	10
Sutton.....	37.53	....	50	4.0	1.3	1.11	10
Swansea.....	25.91	33-66	60	2.0	1.3	0.83	10
Tara.....	40.37	....	40	4.5	1.8	1.11	10
Tavistock.....	28.87	....	60	3.0	1.0	0.83	10
Tecumseh..... T	32.90	....	60	4.0	1.1	1.11	10
Teeswater.....	45.90	....	50	5.0	1.3	1.39	10
Thamesford.....	31.73	....	60	2.7	0.9	1.11	10
Thamesville.....	30.95	....	60	2.6	0.9	0.83	10
Theford.....	46.10	....	55	5.0	1.2	1.11	10
Thorndale.....	38.30	....	60	4.2	1.2	1.11	10
Thornton.....	51.59	....	60	6.0	1.5	1.67	10
Thorold..... T	21.34	....	60	2.2	0.8	0.83	10

‡According to consumers' demand.

## “E”—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	2.8	1.0	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	5.0	1.0	1.67	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	5.0	1.0	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.5	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.3	0.5	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	6.0	2.0	†2.22	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	4.5	1.0	1.39	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
†5.0	1.6	1/3	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	4.3	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.7	0.6	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.4	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.5	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	1.7	0.3	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	1.9	0.4	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.2	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.2	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.5	0.9	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	1.8	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.3	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.8	0.8	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.3	0.9	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.0	1.0	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.5	0.7	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.0	0.4	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.0	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.5	0.7	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	4.0	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.7	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.6	0.8	1.11	10	38.00	1.00	4.0	2.6	0.33	.....	..	10
5.0	2.3	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.2	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	4.0	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.1	0.6	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.0	0.5	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	4.6	1.0	1.11	10	48.00	1.00	5.4	3.6	0.33	.....	..	10
5.0	3.2	0.9	1.11	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	5.5	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	1.6	0.35	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10

†Min. 500 watts.

# STATEMENT

## Cost of Power to Municipalities and Rates to Consumers for the Year 1940, in Urban Municipalities

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
Tilbury.....T	\$ c. 30.90	cents	60	cents 2.2	cents 0.8	\$ c. 0.83	% 10
Tillsonburg.....T	26.40	....	60	2.3	0.8	0.83	10
Toronto.....C	22.39	a3	..	b1.8	1.0	0.83	10
Toronto Twp.....	26.82	....	60	2.9	1.0	1.11	10
Tottenham.....	70.99	....	35	5.5	1.5	1.67	10
Trafalgar Twp. Area 1	26.94	....	60	3.1	1.7	*0.83 } **2.22 }	10
Trafalgar Twp. Area 2	29.38	....	60	3.6	1.2	1.11	10
Trenton.....T	23.96	....	50	3.0	1.0	0.83	10
Tweed.....	41.07	....	50	4.0	1.2	1.11	10
Uxbridge.....T	43.29	....	50	3.6	1.2	1.11	10
Victoria Harbour.....	38.06	....	60	2.8	1.0	1.11	10
Walkerton.....T	32.94	....	50	3.6	1.1	1.11	10
Wallaceburg.....T	28.72	....	60	2.6	0.8	0.83	10
Wardsville.....	42.39	....	60	5.5	1.5	1.67	10
Warkworth.....	34.13	....	50	4.0	1.2	1.11	10
Waterdown.....	26.05	....	60	2.5	1.0	0.83	10
Waterford.....	26.50	....	60	2.4	0.9	0.83	10
Waterloo.....T	23.79	....	60	2.3	0.9	0.83	10
Watford.....	35.25	....	60	3.3	1.0	1.11	10
Waubauskene.....	36.08	....	55	3.0	1.0	1.11	10
Welland.....C	18.88	....	60	2.8	0.9	0.83	10
Wellesley.....	32.52	....	50	3.5	1.1	1.11	10
Wellington.....	34.93	33-66	50	2.5	1.25	0.83	10
West Lorne.....	34.44	....	60	2.8	0.8	0.83	10
Weston.....T	23.61	....	60	2.4	0.9	0.83	10
Westport.....	50.53	....	45	5.0	1.5	1.94	10
Wheatley.....	38.23	....	60	3.4	1.0	0.83	10
Whitby.....T	29.21	....	60	2.8	1.0	0.83	10
Warton.....T	49.02	....	50	3.2	1.0	1.39	10
Williamsburg.....	29.58	....	60	2.0	0.8	0.83	10
Winchester.....	30.05	....	60	2.4	1.2	0.83	10
Windsor.....C	47.11	†33	..	5.0	1.5	†2.22	10
Windsor.....C	25.38	....	60	3.1	0.8	0.83	10
Wingham.....T	43.24	....	50	3.2	1.1	1.11	10
Woodbridge.....	27.16	....	60	3.0	1.1	0.83	10
Woodstock.....C	24.14	....	60	2.4	0.8	0.83	10
Woodville.....	45.42	....	50	3.8	1.0	1.11	10
Wyoming.....	42.93	....	60	3.3	0.9	1.11	10
York Twp.....	41.31	33-66	60	2.0	1.3	0.83	10
Zurich.....	41.31	....	60	4.2	1.0	1.39	10

aService Charge per 100 sq. ft. floor area.

bPer kw-hr. for first 3 kw-hrs. per 100 sq. ft.

\*Under 10 kw. \$0.83 min. bill.

\*\*Over 10 kw. \$2.22 min. bill.

†According to consumers' demand.



## "E"—Concluded

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	1.7	0.4	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	1.8	0.4	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
..	c3 & 1	1/3	0.83	10	d	D.C.	3.0	1.2	0.6	.....	..	10
						A.C.	2.0	1.0	1/3	.....	..	10
									1/6	.....		
5.0	2.2	0.6	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
10.0	5.0	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.8	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.8	0.7	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.6	0.8	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	3.5	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	3.0	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.2	0.8	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.4	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	5.0	1.0	1.67	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	1.9	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	1.9	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.9	0.9	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.2	1.0	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	3.5	1.0	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.5	1.0	0.83	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.3	0.5	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	1.6	0.4	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	5.0	1.0	1.94	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	3.0	0.9	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.3	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.3	0.8	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.0	0.8	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.8	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	5.0	1.5	†2.22	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	2.4	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.6	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.4	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.8	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	3.0	0.8	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.9	0.9	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10

cFirst 90 hours' use 3 cents per kw-hr. Next 90 hours' use 1 cent per kw-hr.

dD.C. service charge \$1.50 per kw. per month for first 7½ kw. plus \$1.05 per kilowatt for all additional consumption.

A.C. service charge \$1.10 per kw. per month for first 7½ kw. plus \$0.90 per kilowatt for all additional consumption.

e1/3 cent per kw-hr. for next 300 hours' use, plus 1/6 cent per kw-hr. for all additional.

†According to consumers' demand.



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\*The Statements "A", "B", "C", "D" and "E", appertaining to the local municipal electric utilities—and given in Section X of the Report—are detailed individually for Acton, but in the case of other municipalities are grouped under the sub-heading of "Municipal Accounts" with reference to Statements "A" and "B" and under the sub-heading "Statements" with reference to Statements "C", "D" and "E".



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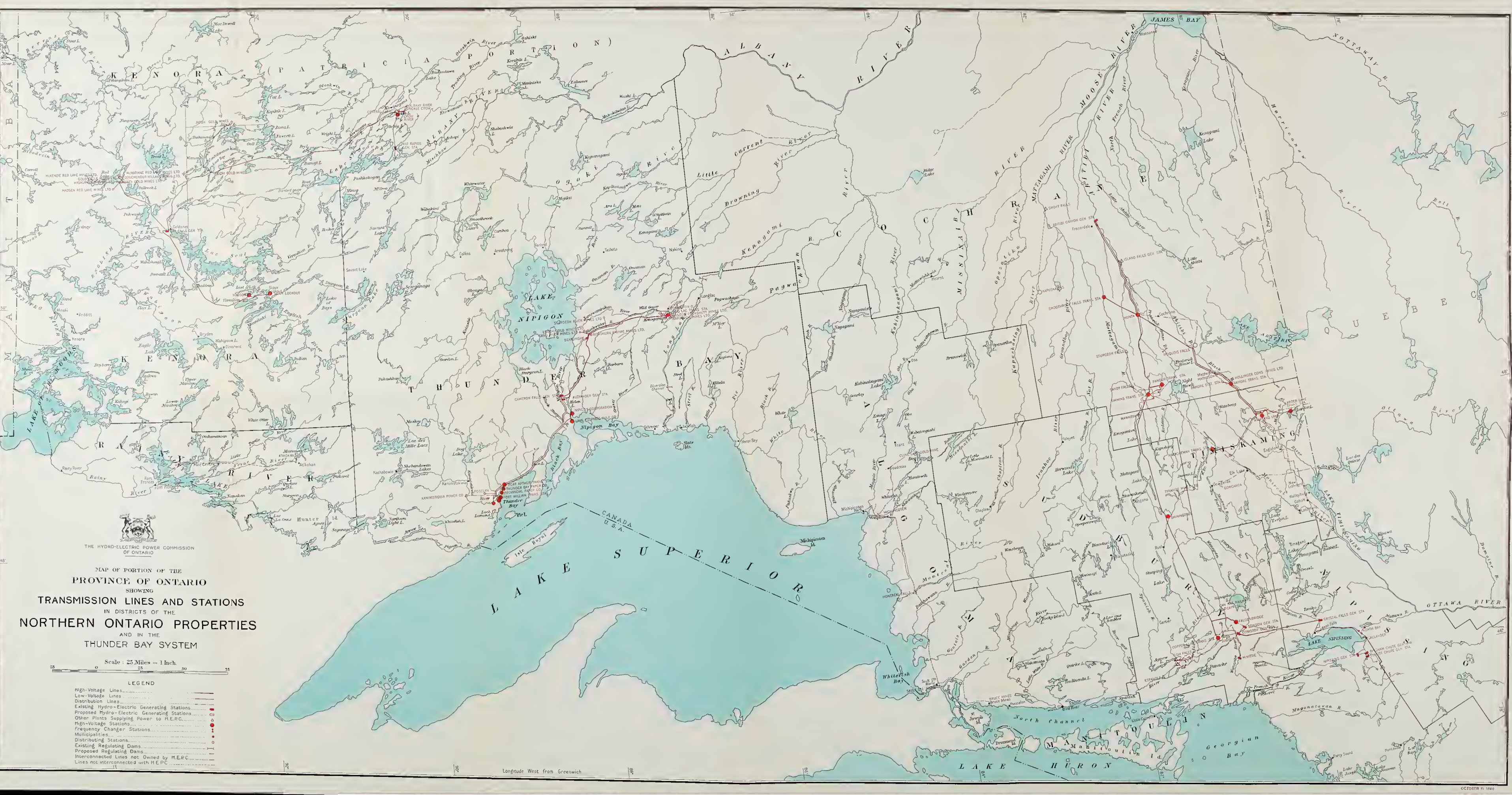












MAP OF PORTION OF THE  
PROVINCE OF ONTARIO  
SHOWING  
TRANSMISSION LINES AND STATIONS  
IN DISTRICTS OF THE  
NORTHERN ONTARIO PROPERTIES  
AND IN THE  
THUNDER BAY SYSTEM

Scale : 25 Miles = 1 Inch.

- LEGEND
- High-Voltage Lines
  - Low-Voltage Lines
  - Distribution Lines
  - Existing Hydro-Electric Generating Stations
  - Proposed Hydro-Electric Generating Stations
  - Other Plants Supplying Power to H.E.P.C.
  - High-Voltage Stations
  - Frequency Changer Stations
  - Municipalities
  - Distributing Stations
  - Existing Regulating Dams
  - Proposed Regulating Dams
  - Interconnected Lines not Owned by H.E.P.C.
  - Lines not interconnected with H.E.P.C.

Longitude West from Greenwich







PORTION OF  
NORTHWESTERN  
ONTARIO

FOR DETAILS SEE MAP OF  
NORTHWESTERN ONTARIO  
Scale: 100 miles = 1 inch

HYDRO-ELECTRIC POWER COMMISSION  
OF ONTARIO

MAP OF PORTION OF THE  
PROVINCE OF ONTARIO  
SHOWING  
TRANSMISSION LINES AND STATIONS

Scale: 100 miles or 15.78 miles = 1 inch

- LEGEND
- High-Voltage Lines.....
  - Low-Voltage Lines.....
  - Distribution Lines.....
  - Existing Hydro-Electric Generating Stations.....
  - Proposed Hydro-Electric Generating Stations.....
  - Other Plants Supplying Power to H.E.P.C.....
  - High-Voltage Stations.....
  - Frequency Changer Stations.....
  - Municipalities.....
  - Distributing Stations.....
  - Existing Regulating Dams.....
  - Proposed Regulating Dams.....
  - Interconnected Lines not Owned by H.E.P.C.....





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